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.

UCF Stands For Opportunity

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.

University of Central Florida
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 help others, 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 250,000 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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<td>April 1</td>
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<td>April 1</td>
<td>April 1</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>April 13</td>
<td>April 13</td>
<td>April 13</td>
<td>April 13</td>
</tr>
<tr>
<td>Registration 1,2 on myUCF</td>
<td>Mar. 16 - May 17</td>
<td>Mar. 16 - June 28</td>
<td>Mar. 16 - May 17</td>
<td>Mar. 16 - May 17</td>
</tr>
<tr>
<td>Registration for State Employees, UCF Employees, UCFAA Employees, Non-Degree, Transients, and Audits (begins 3:00 p.m.)</td>
<td>May 15</td>
<td>June 26</td>
<td>May 15</td>
<td>May 15</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>May 15</td>
<td>June 26</td>
<td>May 15</td>
<td>May 15</td>
</tr>
<tr>
<td>On-campus Housing opens</td>
<td>May 16</td>
<td>June 27</td>
<td>May 16</td>
<td>N/A</td>
</tr>
<tr>
<td>Classes begin</td>
<td>May 18</td>
<td>June 29</td>
<td>May 18</td>
<td>May 18</td>
</tr>
<tr>
<td>Late Registration 1,2 on myUCF (ends at 11:59 p.m. on last day)</td>
<td>May 18-22</td>
<td>June 29 - July 3</td>
<td>May 18-22</td>
<td>May 18-22</td>
</tr>
<tr>
<td>Last Day to Drop for Full Refund</td>
<td>May 21</td>
<td>July 2</td>
<td>May 21</td>
<td>May 21</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 21</td>
<td>July 2</td>
<td>May 21</td>
<td>May 21</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 22</td>
<td>July 3</td>
<td>May 22</td>
<td>May 22</td>
</tr>
<tr>
<td>Payment Deadline 2</td>
<td>May 29</td>
<td>July 10</td>
<td>May 29</td>
<td>May 29</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>May 29</td>
<td>July 10</td>
<td>May 29</td>
<td>N/A</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 11</td>
<td>July 23</td>
<td>June 23</td>
<td></td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>June 11</td>
<td>July 23</td>
<td>July 6</td>
<td>June 23</td>
</tr>
<tr>
<td>Last Day to Reinstates Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>June 19</td>
<td>July 23</td>
<td>June 19</td>
<td>June 19</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline 2</td>
<td>July 24</td>
<td>July 24</td>
<td>July 24</td>
<td>July 24</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete 3</td>
<td>June 26</td>
<td>August 7</td>
<td>August 7</td>
<td>July 17</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 27</td>
<td>August 8</td>
<td>August 8</td>
<td>N/A</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>July 1</td>
<td>August 12</td>
<td>August 12</td>
<td>July 22</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>July 2</td>
<td>August 13</td>
<td>August 13</td>
<td>July 23</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 8</td>
<td>August 8</td>
<td>August 8</td>
<td>August 8</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the online Academic Calendar [here](http://calendar.ucf.edu) for information.

All new undergraduate degree-seeking students are required to attend Orientation prior to registration. Information on Orientation is mailed to all students upon acceptance to the University. If possible, examinations should not be scheduled on days or during times of religious holidays. Students are expected to notify their instructor in advance if they intend to observe a holy day of their religious faith. For additional information, contact the Office of Diversity Initiatives at 407-823-6479.

1. $100 Late Registration Fee applies to students who enroll following the close of Registration or who enroll for the first time that term during Late Registration.
2. $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
3. Incomplete grades must be removed within one year of the last day of the term or prior to graduation from the University, whichever comes first, else they will change to “F”.

### University Holidays and Special Events

- **Memorial Day Holiday**: May 25, 2015
- **Independence Day Holiday (observed)**: July 3, 2015
# 2015 - 2016 FALL/SPRING ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2015</th>
<th>Spring 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 1, 2015</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2015</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2015</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>November 1, 2015</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>July 15</td>
<td>December 1, 2015</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>June 22 - August 1</td>
<td>Oct. 12 - Dec. 4, 2015</td>
</tr>
<tr>
<td>Registration¹,²,⁴ on myUCF</td>
<td>March 16 - August 23</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Registration time for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>August 21</td>
<td>January 8</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>August 21</td>
<td>January 8</td>
</tr>
<tr>
<td>On-Campus Housing Opens</td>
<td>August 21</td>
<td>January 8</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 24</td>
<td>January 11</td>
</tr>
<tr>
<td>Late Registration¹,² on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 24-28</td>
<td>January 11-15</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 27</td>
<td>January 14</td>
</tr>
<tr>
<td>Last Day to Drop for Full Refund</td>
<td>August 27</td>
<td>January 14</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 28</td>
<td>January 15</td>
</tr>
<tr>
<td>Payment Deadline²</td>
<td>September 4</td>
<td>January 22</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>September 4</td>
<td>January 22</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 12-23</td>
<td>October 12-23, 2015</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>November 2</td>
<td>March 23</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>November 2</td>
<td>March 23</td>
</tr>
<tr>
<td>Last Day to Reinstatement Drop for Nonpayment Classes (ends 4:00 p.m.)</td>
<td>November 2</td>
<td>March 23</td>
</tr>
<tr>
<td>Veterans Affairs Deferral Payment Deadline²</td>
<td>December 4</td>
<td>April 8</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete³</td>
<td>December 7</td>
<td>April 26</td>
</tr>
<tr>
<td>Study Day</td>
<td>December 8</td>
<td>April 27</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 9-15</td>
<td>April 28 - May 4</td>
</tr>
<tr>
<td>On-Campus Housing Closes (noon)</td>
<td>December 16</td>
<td>May 5</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 18</td>
<td>May 5</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>December 18</td>
<td>May 9</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 18-19</td>
<td>May 5-7</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 23</td>
<td>May 12</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the online Academic Calendar (http://calendar.ucf.edu) 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 2015, Fall 2015 and Spring 2016 beginning March 2, 2015. Registration for these students will begin on or after March 16, 2015. All other eligible students will receive their registration times beginning October 12, 2015, and Spring registration for these students will begin on or after October 26, 2015.

## 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 7, 2015</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>October 18-24, 2015</td>
</tr>
<tr>
<td>Homecoming Game - vs. Houston</td>
<td>October 24, 2015</td>
</tr>
<tr>
<td>Veterans Day Holiday (observed)</td>
<td>November 11, 2015</td>
</tr>
<tr>
<td>Thanksgiving Holidays</td>
<td>November 26-28, 2015</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 18, 2016</td>
</tr>
<tr>
<td>Spring Break (campus offices still open)</td>
<td>March 7-12, 2016</td>
</tr>
<tr>
<td>Founder’s Day Honors Convocation (classes still held)</td>
<td>April 6, 2016</td>
</tr>
</tbody>
</table>
Undergraduate Academic Policy Statement

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

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

Non-Discrimination Policy (including sexual harassment)

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

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

All forms of discrimination on the above bases, including sexual harassment, are strictly prohibited. Occurrences will be dealt with in accordance with the guidelines above and University regulations. Penalties for engaging in discrimination may include expulsion or termination.

Retaliation against a person who reports discrimination or who serves as a witness in a discrimination investigation is also prohibited and subject to the same penalties.

Employees, students, visitors, or applicants for employment or admission may obtain further information on this policy, including grievance procedures, from the Office of Equal Opportunity and Affirmative Action Programs (EOAA). The Director of EOAA is responsible for concerns in all areas of discrimination. The Director is also the Title IX Coordinator. The office is located on the Orlando campus, in Millican Hall 330, Orlando, FL 32816-0030. The phone number is 407-UCF-1EEO. Policies and guidelines are available online at http://www.eeo.ucf.edu/.

Drug-Free Workplace/Drug-Free Schools Policy Statement

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

Campus Alcoholic Beverages Policy

The sale, service, distribution, possession and consumption of alcoholic beverages shall comply with state and federal laws, city and county ordinances, and the licensing agreement with on-campus distributors which allows for the sale and service of alcoholic beverages. In addition the University has formulated the following policies governing the sale, service, distribution, possession and consumption of alcoholic beverages on campus. Refer to University of Central Florida Policy “Alcoholic Beverages on Campus” 3-115.1 and University of Central Florida Regulation “UCF-4.035 Alcoholic Beverages on Campus” for additional information.

Guidelines

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

Possession and consumption of alcoholic beverages in open or unsealed containers is prohibited except in designated areas or as approved and specified 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 permitted 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, distribution, 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 prohibited by the governing organization. Consumption of alcoholic beverages in public or common areas within on-campus residential units shall follow guidelines provided by their governing organization, and local, state and federal law.

Approval Procedures: Student Groups

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

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

Approval Procedures: Non-Student Groups

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


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 affect the student’s status in a specific program of study. 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 any of 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 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. Recommended configurations can be found at http://cstore.ucf.edu/page.cfm/recommendations.html.

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 contact the concern 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 wish 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 Florida’s 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, specialist, and doctoral levels. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of the University of Central Florida.

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

College/Discipline  Accrediting Body
Arts and Humanities
Music, Music Education  National Association of Schools of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248

Business Administration (all disciplines)  The Association to Advance Collegiate Schools of Business (AACSB International), 777 South Harbour Island Blvd., Suite 750, Tampa, FL 33602-5730

Education and Human Performance (all programs leading to initial teacher certification)  State Approval by the Florida Department of Education; Accreditation by the National Council for Accreditation of Teacher Education (NCATE), 210 Massachusetts Ave., NW, Suite 500, Washington, DC 20036


Aerospace, Civil, Computer, Construction, Electrical, Environmental, Industrial, Mechanical Engineering


Health and Public Affairs
Athletic Training  Commission on Accreditation of Athletic Training Education (CAATE), 6850 Austin Center Boulevard, Suite 100, Austin, TX 78731-3184

Health Informatics and Information Management  Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM), 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-4000

Health Services Administration  Association of University Programs in Health Administration (AUPHA), 2000 14th Street North, Suite 780, Arlington, VA 22201

Social Work  Council on Social Work Education (CSWE), 1701 Duke Street, Suite 200, Alexandria, VA 22314-3457
### University Notices

<table>
<thead>
<tr>
<th>College of Medicine - Burnett School of Biomedical Sciences</th>
<th>Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Laboratory Sciences</td>
<td>Chemistry</td>
</tr>
<tr>
<td>National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119</td>
<td>American Chemical Society (ACS) Committee on Professional Training, 1155 Sixteenth Street, NW, Washington, DC 20036</td>
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</table>

<table>
<thead>
<tr>
<th>Nursing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
</tr>
<tr>
<td>Florida Board of Nursing, 4042 Bald Cypress Way, Room 120, Tallahassee, FL 32399</td>
</tr>
</tbody>
</table>

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


Online instruction modes are:

- **WORLD WIDE WEB (W):** These are courses conducted via web-based instruction and collaboration. Some courses may require mini-graduation dissertation or online, and such course notes for details.
- **VIDEO STREAMING/REDUCED SEAT TIME (RV):** In these courses, class notes for details.
- **VIDEO STREAMING/REDUCED SEAT TIME (M):** These courses include 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 classroom-based instruction and collaboration. Some courses may require mini-graduation dissertation or online, and such course notes for details.

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 state colleges, fostering seamless and convenient advancement from completion of an A.A. or A.S. degree to a bachelor-level division work on a bachelor's degree. Programs accessible include 19 bachelor's programs, 8 minors and 1 master's degree as well as online programs by 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 extensive web based availability and support for numerous fully online degree programs and academic minors. A new non-residential location in each region includes counselor and student services 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. Regional Campus Distance Learners may take advantage of services through various communication technologies. 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 Florida State College, Lake-Sumter State College, Seminole State College, Daytona State College, and Valencia College. This agreement provides entry for A.A. and A.S. graduates to UCF as an enhancement to the Florida state-mandated 2 + 2 agreement. Students entering UCF as a DirectConnect to UCF student are admitted according to the UCF policies when A.A. or A.S. degrees are awarded. Regional Campuses DirectConnect Coordinators are available on each of the Higher Education Consortium partnership campuses.

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

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

Vice Provost, Regional Campuses ........................................ J. Jeffrey Jones
Senior Administrative Assistant ........................................ Kathi Harris
Associate Vice Provost, Regional Campuses Academic & Student Initiatives .... Pam Cavanaugh
Director, Academic Support Services ................................ Jennifer Sumner
Director, Student Services & Advising .................................. Angela Jones
Associate Director, Academic Initiatives ............................... Waheeda Illasarie
Associate Director, Academic Initiatives ......................... Mary Lynn Bresette
Assistant Director, Continuing Education .......................... Kallie Reyes
Facilities Scheduler ......................................................... Denise Devlin
Coordinator, Statistical Research ........................................... Jeanne Walker
Associate Vice President, Enrollment Services, Marketing & Outreach .... Angé Peterson
Director, RC Enrollment Services ................................. Deborah Bradford
Marketing Account Executive ........................................... Michelle Fuentes
Web Designer ......................................................................... Tony Recascino
Assistant Web Support ..................................................... Miness Patel
Senior IT Specialist ............................................................... Mary Lou Wade
Director, Library Services .................................................... Kimberly Cole
Assistant Vice President, Business Affairs and Operations .................. Kimberley Hardy
Executive Administrative Assistant ..................................... Jeanette Holder
Coordinator, Executive Services .......................................... Sonia Irme
IT Supervisor ................................................................. Aaron Misiano
College/Division IT Project & Testing Manager ...................... Calston Llewellyn

Campuses
UCF Valencia West, UCF Valencia Osceola, UCF Valencia East

Assistant Vice Provost ........................................................ Kimberly Hardy
Assistant Director, Osceola .................................................... James Smith, Jr.
Assistant Director, Enrollment Services, West ..................... Melissa Kors
Coordinator, Enrollment Services, West .......................... Richard Satterlee
Coordinator, Enrollment Services, Osceola ......................... Jessica Matos
Senior Admissions Specialist, East ....................................... Priscilla Alejandro
Associate Director, Student Services, West .......................... Carol Black
Assistant Director, Advising Services, West ....................... Lisa Ruiz
Coordinator, Academic Advisor, Osceola ......................... Melissa Hanbery
Coordinator, Academic Advisor, Ocala .............................. TBA
DirectConnect Coordinator, West ........................................ TBA
DirectConnect Coordinator, Osceola ................................... TBA
Director, Continuing Education ....................................... Christopher Quintero
Department IT Manager ...................................................... Jon Mayer
Administrative Assistant ..................................................... Jacqueline Diaz

UCF Daytona

Assistant Vice President ....................................................... Linda Bradley-Thacker
Regional Associate Director ............................................... Darryl Greeley
Associate Director, Student Services ...................... Raphael Robinson
Coordinator, Enrollment Services ..................................... Rosalyn Santana
Coordinator, Academic Advisor ......................................... Tina Davis
Coordinator, Academic Advisor ......................................... Virginia LaRue
Coordinator, Academic Advisor ......................................... Angela Edwards-Johnson
Coordinator, Administrative Services ......................... Bonnie Marsh
Department IT Manager ...................................................... Joe Cassella

UCF Sanford/Lake Mary, UCF Altamonte

Associate Vice President ..................................................... David Mealor
Regional Director .......................................................... Sean Armstrong
Assistant Director, Enrollment Services ......................... Pamela Williams
Coordinator, Student Services ........................................... Ashley Squillante
Coordinator, Academic Advisor .......................................... Georgia Kent
Coordinator, Academic Advisor .......................................... Jack West-Lee
DirectConnect Coordinator .............................................. Luisa Mejia
Department IT Manager ...................................................... Russell Muller
Administrative Assistant .................................................... Valerie Brackman

UCF Cocoa, UCF Palm Bay

Regional Director .......................................................... Lauren Miller
Assistant Director, Student Services .............................. TBA
Assistant Director, Palm Bay ................................................. Sonya Curtis
Assistant Director, Enrollment Services ......................... Nick Pantoni
Coordinator, Enrollment Services ...................................... Jessica Houts
Coordinator, Academic Advisor ......................................... Angel Edgecombe
Coordinator, Academic Advisor, Palm Bay ....................... Patricia Terrill
Coordinator, Academic Advisor .......................................... Sheryl Schagen
DirectConnect Coordinator ................................................ Kim Poppert
Department IT Manager ...................................................... Sue Sorenson
Administrative Assistant ..................................................... Darlene Kraft

UCF South Lake, UCF Ocala, UCF Leesburg

Assistant Vice President ........................................................ Cecelia Rivers
Regional Director .......................................................... Tanya Armstrong
Director, Student Services ............................................... Pamela Brady
Assistant Director, Enrollment Services ......................... Christy Pasinisi
Coordinator, Enrollment Services ...................................... Thomas Silarek
Coordinator, Academic Advisor ......................................... Robin Tinsley
Coordinator, Academic Advisor .......................................... Bethany Larson
DirectConnect Coordinator ................................................ Colleen Scott
Coordinator, Academic Support Services, Ocala ............... Mei Wong
Department IT Manager ...................................................... Crystal Flynn
Administrative Assistant ..................................................... Lisa Dunn

UCF Cocoa

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

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:

- Applied Science (B.A.S.) College of Undergraduate Studies
- 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
- Human Communication (B.A.) College of Sciences
- Integrated Business* (B.S.B.A.) College of Business Administration
- Interdisciplinary Studies (B.S., B.A.) College of Undergraduate Studies
- Nursing (B.S.N.) College of Nursing
- Psychology (B.S.) College of Sciences
- Social Sciences (B.S., B.S.A.) College of Sciences
- Sociology (B.A.) College of Sciences

*Selected courses will require attendance at the UCF Orlando campus.
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:

- Applied Science (B.A.S.) College of Undergraduate Studies
- History (B.A.) College of Arts and Humanities
- Legal Studies (B.A., B.S.) College of Health and Public Affairs
- Political Science (B.A.) College of Sciences

**Undergraduate Minors**
- Communication Sciences and Disorders
- Criminal Justice
- Crime, Law, and Deviance
- Human Communication
- Psychology
- Sociology

For online programs visit: [http://programs.online.ucf.edu/](http://programs.online.ucf.edu/).

**UCF Daytona Beach**

386-506-4021

(In partnership with Daytona State College)

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:

- Applied Science (B.A.S.) College of Undergraduate Studies
- Criminal Justice
- Criminal Justice (B.A., B.S.) College of Health and Public Affairs
- Human Communication (B.A.) College of Sciences
- Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
- Nursing (B.S.N.) College of Nursing
- Photography (B.S.) College of Arts and Humanities
- Psychology (B.S.) College of Sciences
- Social Sciences (B.S.) College of Sciences

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:

- Applied Science (B.A.S.) College of Undergraduate Studies
- History (B.A.) College of Arts and Humanities

Legal Studies (B.A., B.S.) College of Health and Public Affairs
- Political Science (B.A.) College of Sciences
- Sociology (B.A.) College of Sciences

**Undergraduate Minors**
- Crime, Law, and Deviance
- Criminal Justice
- Psychology

For online programs visit: [http://programs.online.ucf.edu/](http://programs.online.ucf.edu/).

**UCF Leesburg**

352-536-2113

(In partnership with Lake-Sumter State College)

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:

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

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:

- Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies

For online programs visit: [http://programs.online.ucf.edu/](http://programs.online.ucf.edu/).

**UCF Ocala**

352-854-2322, ext. 1824

(In partnership with Central Florida State College)

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:

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

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:

- Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies

For online programs visit: [http://programs.online.ucf.edu/](http://programs.online.ucf.edu/).
UCF Palm Bay
321-433-7838
(In partnership with Eastern Florida State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Human Communication (B.A.) College of Sciences
Psychology (B.S.) College of Sciences

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies

Undergraduate Minors
Human Communication
Psychology
For online programs visit: http://programs.online.ucf.edu/.

UCF Sanford/Lake Mary
407-708-2471
(In partnership with Seminole State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Legal Studies
Early Childhood Education (A.S. to B.S.) College of Education and Human Performance
Elementary Education (B.S.) College of Education and Human Performance
Human Communication (B.A.) College of Sciences
Integrated Business* (B.S.B.A.) College of Business Administration
Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences

*Selected courses will require attendance at the UCF Orlando campus.

Undergraduate Minors
Legal Studies
Psychology

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

For online programs visit: http://programs.online.ucf.edu/.

UCF South Lake
352-536-2113
(In partnership with Lake-Sumter State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Elementary Education (B.S.) College of Education and Human Performance
Psychology (B.S.) College of Sciences

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies

Undergraduate Minors
Psychology

For online programs visit: http://programs.online.ucf.edu/.
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:

- Applied Science (B.A.S.) College of Undergraduate Studies
  - Track: Legal Studies

- Biomedical Sciences (B.S.) College of Medicine

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

- Integrated Business* (B.S.B.A.) College of Business Administration
  - Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies

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

*Selected courses will require attendance at the UCF Orlando campus.

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:

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

- Human Communication (B.A.) College of Sciences

- Public Administration (B.A.) College of Health and Public Affairs

- Undergraduate Minors
  - Legal Studies
  - Psychology

For online programs visit: http://programs.online.ucf.edu/.

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

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:

- Applied Science (B.A.S.) College of Undergraduate Studies
  - Tracks: Criminal Justice and Legal Studies
  - Architecture (B.D.) College of Arts and Humanities

- 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
- Integrated Business* (B.S.B.A.) College of Business Administration
- Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies

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

*Selected courses will require attendance at the UCF Orlando campus.

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:

- Human Communication (B.A.) College of Sciences

Undergraduate Minors
- Crime, Law, and Deviance
- Criminal Justice
- Legal Studies
- Political Science
- Psychology
- Sociology

For online programs visit: http://programs.online.ucf.edu/.

General Regional Campus information:
Website: http://www.regionalcampuses.ucf.edu

Programs are offered via multiple delivery methods: web, video-streaming, and face-to-face. Delivery methods vary by location. For degree programs and minors, it is possible not all courses will be scheduled every semester, or on every campus location. Check the actual program webpage and the academic schedule for specifics.

Regional Campuses also offers a Bachelor of Applied Science, a degree option for transfers with an Associate of Science degree. Availability of tracks varies by location.
Central Florida Research Park
The Central Florida Research Park, adjacent to the main UCF campus, is a University-related research park established as a result of legislation passed by the Florida Legislature in 1978. The Research Park is a cooperative effort between UCF, the Orange County Research and Development Authority, and the Orange County Board of County Commissioners (which appoints the members of the Authority). The governing body of the Research Park is the Orange County Research and Development Authority.

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

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

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

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

**Phillips-Schenck Chair in American Private Enterprise:** Created in 1983 to serve as the focal point for a continued dialogue on major economic contributions from private sources within a five-year period. Chair: TBA.

**Endowed Chairs in Tourism Management:** Created in 2002 to support the teaching and research of an internationally recognized scholar in hotel management. Chair: TBA.

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

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

**Howard Phillips Eminent Scholar Chair in Real Estate:** 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 in the field of nanophotonics, to support teaching and research in the field of nanophotonics at the College of Optics and Photonics. Chair: Dennis Deppe.

**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 Arrojan.

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

**William E. Phillips Eminent Scholar Chair in Real Estate:** Created in 2005, as a key component of the Dr. P. Phillips School of Real Estate. Chair: James Combs.

**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. Samaan.

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

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

**Judith & David Albertson Eminent Scholar Chair in Hotel Management:** 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: Abraham Pizam.

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

**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.

**Endowed Chairs in Real Estate:**

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

**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 Arrojan.

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

**William E. Phillips Eminent Scholar Chair in Real Estate:** Created in 2005, as a key component of the Dr. P. Phillips School of Real Estate. Chair: James Combs.

**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. Samaan.

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

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

**Judith & David Albertson Eminent Scholar Chair in Hotel Management:** 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: Abraham Pizam.

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

**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.
University of Central Florida/Campuses

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

Jalal Talabany Endowed Chair in Kurdish Political Studies: Created in 2007 to strengthen and support teaching and research in Kurdish Political Studies. 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. McKeen Endowed Chair in Nursing: Created in 2011 to strengthen and support the preparation of nurse educators. Chair: Diane Wink.

Florida Hospital Endowed Chair in Healthcare Simulation: Created in 2011 to support a leading expert in simulation to advance simulation in nursing and healthcare disciplines. Chair: Gregory Welch.

Paul N. Somerville Endowed Chair for Statistics: Created in 2012 to strengthen and support teaching and research in the field of statistics with an emphasis on the area of Big Data. Chair: TBA.

Orlando Health Endowed Chair in Nursing: Created in 2009 to support three areas: a leading expert in teaching and research, an annual symposium related to excellence in nursing and student scholarships. Chair: Mary Lou Sole.

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 guidance 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, Section 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.

College of Undergraduate Studies
Interim Vice Provost and Dean: Manoj Chopra
MH 218; 407-823-2373
http://www.undergrad.ucf.edu/

The College 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 all 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-Health and Pre-Law Advising, the EXCEL program, and the Academic Advancement 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 undergraduate 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 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) facilitates compliance with federal immigration regulations and 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 of Police: Richard Beary
3610 Libra Drive, Orlando, FL 32816; Building #150; 407-823-5242
http://www.police.ucf.edu/

The UCF Police Department is a full-service law enforcement agency that prides itself on providing professional services to the university community through prevention, education and enforcement. Officers are fully sworn with all of the law enforcement powers and duties of other agencies. UCF Police officers provide services 24 hours a day, seven days a week to the university community. In 2013, the department received accreditation by the Commission for Florida Law Enforcement Accreditation, which means it meets the highest of law enforcement practices and standards.

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. UCF Police are part of the county-wide “Enhanced 9-1-1” system and automatically receive calls related to campus. The system ensures that the correct emergency responder - police, medical or fire - is directed to the right place in the shortest amount of time. Since telephone numbers appear on the police computer screen, callers who are for whatever
reason unable 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 more than 180 locations on campus to allow persons in need of assistance to contact UCF Police, and the phones dial directly to the Communications Center to ensure a swift response if needed. Patrol officers are assigned Mobile Data Terminals (MDT) so that they may view the details of each call as information is updated by the Communications Center.

The Patrol Division provides proactive police services to the campus community by means of foot patrols and marked vehicle patrols. Within the division, specialized units such as K-9, motorcycle, bicycle and all-terrain vehicle patrols are utilized to meet the unique needs of an expanding urban university.

The Regional Campuses Division is assigned to patrol the College of Medicine at Lake Nona and the Rosen College of Hospitality Management campuses. Officers also will visit all regional campus locations of Campus Safety offices. Medical, Rosen and regional units are supplemented by Civilian Service Officers. The Investigations Division consists of detectives and a law enforcement analyst who conduct latent investigations for all criminal cases. Detectives are on-call 24 hours a day, seven days a week and respond to crime scenes as needs require.

The Community Relations Division (407-823-3224) offers crime prevention services and tips regarding the protection of personal property and safety. Two bystander services that are recommended for all students, faculty and staff are online property registration and free engraving of items for easy identification. Officers speak to each student and parent orientation group and provide brochures on police programs and services at each session. A women’s self-defense class is also scheduled once monthly during each semester. For students who stay on campus late, the Safe Escort Patrol Service (SEPS) is available at 407-823-2442 and provides a safe escort to vehicles and dorms on campus.

The Special Events Division is responsible for reviewing all concerts, sporting events and other functions that may require police security. During large events, such as football games, UCF Police staff may be supplemented by other law enforcement agencies, such as the Florida Highway Patrol, the Orange County Sheriff’s Office, the Seminole County Sheriff’s Office and the Oviedo Police Department.

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. Counselors are available 24 hours a day, seven days a week. Services include crisis intervention, advocacy, support, safety planning, practical assistance, options, information and referrals. Education and programming also is provided to academic and social groups on campus.


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

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

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

University Libraries offers a variety of information resources and services. An extensive resource collection includes 1.9 million volumes, 50,000 journal subscriptions, 3.2 million microforms and 63,000 media titles. The Libraries’ electronic resources include 475 databases and 144,000 e-books.

The John C. Hitt Library on the main campus is open 105 hours per week. Operating hours are available at http://library.ucf.edu or by calling (407) 823-2756.

- Over 370 computer workstations are available for public use on all five floors.
- Laptop PCs can be checked out for use anywhere in the library.
- 100 iPads are available for a one-week checkout.
- Wireless technology enables patrons who have portable devices to connect to the Libraries’ electronic resources and to the Internet; wireless printing is also available.
- Twenty-eight group study rooms and one practice presentation room are available for students, and can be reserved in advance through http://library.ucf.edu/StudyRooms/.
- The John C. Hitt Library is a partial depository for United States and Florida government publications, U.S. Patents and Trademarks.

Infusion, the Libraries’ cyber-cafe learning space, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed-captioned television, and a browsing collection for leisure reading.

The Knowledge Commons area offers seating for 479 students, access to 196 desktop PCs, collaborative group study areas, and rolling white boards.

- For help and advice in the use of resources and materials, the Research and Information Desk http://library.ucf.edu/Reference/, located on the main floor, is open most library hours. Individual appointments can also be made for in-depth research consultations. These appointments provide student one-on-one time with a librarian http://library.ucf.edu/Reference/ResearchConsultations/checkout.php.
- Ask A Librarian service answers questions submitted through chat, text, instant message, email or telephone at (407) 823-2562 or toll-free at (866) 271-7589 http://library.ucf.edu/ask/.
- The Libraries supports the development of information literacy skills through the provision of Information Literacy Modules, http://infokit.ucf.edu/. The modules provide just-in-time instruction for students on topics such as citing resources, evaluating websites, and plagiarism.
- Librarians have also created subject-specific research guides to help students identify resources within their discipline. Students can also access instructional videos from the Libraries’ YouTube channel: http://www.youtube.com/user/UCFLibraries.
- Citation Management Programs are also available for FREE from the UCF Libraries. Workshops are offered each semester on how to use EndNote and RefWorks http://library.ucf.edu/ScholarlyCommunication/CitationTools.php.
- Another key service for Graduate Students is Interlibrary Loan and Document Delivery. The UCF Libraries will pull books and scan articles that are owned by the library, as well as borrow materials from other libraries. For more information, call (407) 823-2383 or visit the ILL website http://library.ucf.edu/ILL.

In collaboration with the University’s Office of Student Accessibility Services, students may request assistance with retrieval of materials by contacting the Circulation Desk. The John C. Hitt Library has several reading aid devices, including a workstation equipped with ZoomText and refreshable Braille software, and a Sorenson Videophone. More information is available at http://library.ucf.edu/Services/DisabilityServices.asp.

Primary source material from Special Collections and the University Archives 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 http://library.ucf.edu/UCFSpecialCollections.

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 http://library.ucf.edu/Systems/DigitalInitiatives/DigitalCollections/.

Branch Libraries
The Curriculum Materials Center (CMC) is located in the College of Education and Human Performance Building. The CMC provides representative PK-12 curriculum materials for preview, review, analysis

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and circulation, as well as 26 desktop PCs. Although the CMC primarily serves education students and faculty, it is open to all campus faculty, staff, and students. For more information see the CMC web page at http://library.ucf.edu/cmc or call (407) 823-2791.

The Universal Orlando Foundation Library is located at the Rosen College of Hospitality Management on Universal Boulevard. The library is open to the entire UCF community as well as to hospitality industry professionals. Its unique collection covers all facets of the hospitality and tourism industries. The library provides a wide array of services and resources, including desktop PCs, wireless devices for checkout, group study rooms, research assistance, library instruction, and interlibrary loan. For more information, see the CMC web page at http://library.ucf.edu/cmc or call (407) 823-2791.

The Universal Orlando Foundation Library is located at the Rosen College of Hospitality Management on Universal Boulevard. The library is open to the entire UCF community as well as to hospitality industry professionals. Its unique collection covers all facets of the hospitality and tourism industries. The library provides a wide array of services and resources, including desktop PCs, wireless devices for checkout, group study rooms, research assistance, library instruction, and interlibrary loan. For more information, see the CMC web page at http://library.ucf.edu/cmc or call (407) 823-2791.

Regional Campus Libraries

Regional Campus libraries collections and services are available through partner libraries in Cocoa, Palm Bay, Ocala, Daytona Beach, South Lake, Sanford-Lake Mary, Leesburg, Osceola and West Orlando. The university partners with state colleges to provide complete information services. Two examples of websites customized for Regional Campus needs are:

- Services for Distance Learners
  http://library.ucf.edu/Services/DistanceServices.asp
- Regional Campus Libraries page
  http://library.ucf.edu/Regionals

UCF librarians provide one-on-one, in-person, and virtual assistance by appointment. All locations provide electronic access to library and university resources on the web. Courier and intercampus loan services make the John C. Hitt Library's collections available to UCF students at all regional and branch campus sites.

Office of Instructional Resources

Director: Don Merritt
CB1 203; 407-823-2571
http://www.oir.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 support of multimedia resources and services.

The Faculty Multimedia Center (FMC) is OIR's media production facility dedicated to faculty. 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 Faculty Center for Teaching and Learning and the Center for Distributed Learning to host the Faculty Multimedia Workshop Series, a 30-minute workshop with 30-minute hands-on assistance for faculty who wish to increase their content creation skills.

OIR also supports videoconferencing and other online collaboration facilities and services for university use, including thesis and dissertation committee support. OIR can provide consultation to determine the most appropriate method of collaboration to meet your needs. For consultation services or 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 Scheduler to reserve a classroom or to change the meeting space for a class.
University of Central Florida/Campuses

Intercollegiate Athletics
Vice President and Director: Todd Stansbury
WD2; 407-823-2261
http://www.UCFKnights.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 American Athletic Conference. UCF’s intercollegiate sports for men include baseball, basketball, golf, 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 in the field, in the classroom and in our community.

Currently in their second season of membership in the American Athletic Conference, the Knights have won conference titles in football (2013, 2014), women’s soccer (2013, 2014), softball (2014) and volleyball (2014). In addition to winning back-to-back league titles, the UCF Football program received the conference’s automatic bid to a BCS Bowl game following the 2013 season and defeated Baylor in the Fiesta Bowl.

UCF Athletics’ 95 percent graduation success rate is a school record and is tied for No. 1 among all public universities nationwide. It is the fifth-best mark of any school in NCAA Division I (FBS).

During the past five years, UCF student-athletes have contributed a total of more than 400,000 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 enrolled 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 2008 full-time cohort is 69.7 percent. The retention rate for Summer-Fall full-time 2013 students is 87.5 percent. The information is public and available for review on the Institutional Knowledge Management website.

CFE Arena, The Venue, and Knights Plaza
http://www.cfearena.com

The CFE Arena is the largest entertainment and sports facility in East Orlando. With seating for 10,000 fans, it is home to UCF Men’s and Women’s basketball, university and high school graduation ceremonies, and a diverse lineup of world-famous entertainers, beloved family shows and festivities rivaling any in the country.

Nestled on the north side of the CFE Arena, The Venue is a more intimate space showcasing special events and UCF Women’s Volleyball.

Knights Plaza, a living-learning community on the north end of UCF’s main campus is the home of the CFE Arena and The Venue, features an exciting mix of student apartments, garages, services, shops and dining. Come early and stay late. For event, retail or rental information, visit http://www.cfearena.com or http://www.knightsplaza.com. For information on apartment rental, please visit http://www.housing.ucf.edu.

Campus Bookstores

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

John T. Washington Center Location
The UCF Bookstore, a Barnes & Noble College division bookstore, located in the John T. Washington Center, is the textbook and course material destination. It also offers the largest variety of UCF clothing in the world, including logo gift items, snacks, beverages, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit http://www.shopucf.com or call 407-823-2668.

Knights Plaza Location
The Barnes & Noble @ UCF, located next to the CFE Arena at Knights Plaza, is the official headquarters for all of your graduation supplies and more. It offers a complete line of UCF clothing, logo gift items, general reading books, snacks, beverages, 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 21 off-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operating hours range from 6:30 a.m. to 10:30 p.m. UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 9 stops on campus. 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 10 round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Friday, during the fall and spring semesters, and six round-trip runs between 8:00 a.m. and 7:00 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the Health Sciences Campus. It makes 14 round trips between 7:20 a.m. and 10:45 p.m. Monday through Friday. Arrivals and departures can be tracked via UCF mobile application or http://m.ucf.edu/shuttle/routes.

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 Oviedo, Downtown Orlando, Valencia 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: jimh@orlandoshakes.org
http://www.orlandoshakes.org

The Orlando Shakespeare Theater in Partnership with UCF is a professional AEA theater producing classic, contemporary and children’s plays. The theater presents a Signature Series of adult plays, a children’s theater series, The Playfest Festival of New Plays, and innovative educational programming that includes summer camps, The Young Company (a summer high school performance group), Shakespeare with Heart (a summer program in partnership
United Cerebral Palsy and UCF), 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, attracting artists from across the country. The theater has been featured on the Today Show, Good Morning America, and in national publications such as The Wall Street Journal, American Theater, Stage Directions and Southern Theater magazine. 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. $12 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, or go on the web at http://www.orlandoshakes.org. For internship information and other questions, contact Artistic Director Jim Helsinger at jimh@orlandoshakes.org.

UCF Alumni Association

UCF 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 (OIS)
Director: TBA
MH 107; 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 further 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. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have earned at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Griffith University, Australia; MODUL University in Austria; Universidade Federal do Rio de Janeiro, Brazil; Hong Kong Polytechnic and Tongi University, China; Universiteit d’Angers, ICN School of Business and Paris VI in France; Mie University in Japan; Tilburg University, The Netherlands; Jonkoping and Maldareian universities in Sweden; and University of the West of England and University of Surrey in the United Kingdom.

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

Experiential Learning (College of), Undergraduate Studies (OEL)
Interim Director: Ulla Isaac
CSEL 300; 407-823-2667
Email: OEL@ucf.edu
http://www.explearning.ucf.edu

The Office of Experiential Learning (OEL), an academic department in Undergraduate Studies provides guidance, instruction and instructional support for experience-based learning courses at UCF. Its purpose is to enable all students to include study abroad or course-related real-world experience in their academic programs to gain the personal, academic and professional competencies they need to be successful employees and engaged community members upon graduation. About one third of the student body participates in experiential learning opportunities 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, assessment, and accreditation purposes. Additionally, OEL collects data and applies for external funding.

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, 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 helps students clarify career goals, apply classroom theory, gain relevant competencies, and increase the likelihood of 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 semester of major or career-related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships can be part-time (usually during the school year) or full-time (usually during summers). They are available through OEL or through college departments.

- 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 semesters. They are either part-time around school schedules or full-time alternating semesters 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 an “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 with 12 credit hours.

Students are encouraged to come to OEL as soon as possible to plan for their participation, preferably during the semester 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, followed by an initial Orientation session to obtain access into the OEL online database system. They then meet with OEL faculty to receive guidance, assistance in pursuing opportunities, and registration into experiential learning courses. To participate in service learning courses, students may select courses with an “SL” designation during the registration process. General information, online application, current co-op and internship opportunities through OEL, requirements for participation, tutorials, study abroad programs and modular courses, and materials for service-learning are all available on the OEL website.

National Consortium for Academics and Sports (NCAS)
Director, Special Programs and Events: Suzi Katz-Slowinski
BA2 113; 407-823-3555
http://www.ncasports.org

Vision: to create worldwide social justice through the power of sport.
Mission: The mission of the NCAS is to use the power of sport to effect positive social change. We educate and empower individu-
als and organizations by inspiring values-based thinking leading to actions that promote social responsibility and equality.

Core Values:

Diversity and Inclusion
We believe diversity and inclusion serve as a catalyst to promote fairness, equity, and justice.

At the NCAS, we harness the power of diversity and inclusion to capitalize on individual and collective strengths and help teams, staffs, and organizations reach their full potential. Respect and appreciation of difference are the founding principles of diversity and inclusion. As advocates of fairness and equality, the NCAS hopes to build a global awareness and cultural competence through the power of sport. We strive to be on the cutting edge, proactively working to understand who is being excluded.

Education
Education has the power to transform lives and empowers people to make a difference.

The NCAS embraces the principle that everyone has a right to be educated, and has a duty to use what is learned to improve society. Since its inception, NCAS member institutions have offered opportunities for athletes to complete their degrees even after eligibility has expired. In addition to our advocacy for traditional education, the NCAS educates and empowers people by raising awareness of social justice issues and by offering strategies and solutions for overcoming them.

Social Justice
The NCAS is committed to peace and justice by raising awareness and developing strategies for dealing with social justice issues worldwide.

The NCAS aims to provide the education, tools and strategies for dealing with these issues and empowers individuals to take action for those without a voice. We challenge sports leaders and athletes to embrace leadership roles by supporting everyone’s basic human rights, and confronting all forms of discrimination, hate, and violence, while advocating for those who are underrepresented.

Ethical and Moral Leadership
The NCAS’ unshakeable vision for sport driven social change demands that we challenge ourselves, and others, to aspire to the highest standards of ethical and moral behavior.

Ethical and moral actions are the foundation that enables individuals, organizations, and leaders to gain leadership credibility. The beliefs and actions of leaders have significant impact on their respective organizations and, as such, effective ethical and moral leadership blends humility with determined professional will. The NCAS’s ambitious goals for sport driven social change can only be accomplished through tireless commitment to ethical and moral behavior. Thus, we dedicate ourselves to advocate for ethical and moral leadership through the power of sport.

The Power of Sport
The global impact that sport has on society reminds us that teamwork and unity transcend the fields of competition, and has the irrefutable power to positively change people’s lives.

We apply the lessons of “the huddle” to illustrate how divergent interests and beliefs can unite under a shared vision and common goal. We believe sport has an immense impact on societies across the globe. Sport has been known to galvanize communities large and small. By harnessing this power and public influence, the NCAS continues to promote social change domestically and around the world. Changing lives through the power of sport.

Division of Continuing Education
Director: Todd Freece
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. 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 seeking students, domestic and international corporations, and local, state and federal government.

Off-Campus College Credit Programs
University Towers, 12201 Research Parkway, Suite 101, Orlando, FL 32826; 407-823-3654, Fax: 407-823-1399

Off-Campus College Credit and Corporate Education Programs assist UCF Academic Colleges 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
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: DPl@mail.ucf.edu
http://hospitality.ucf.edu/research/dick-pope-sr-institute-for-tourism-studies/

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

Executive Development Center
Executive Director: Robert Porter
Associate Director of Degree Programs: Robin Holter
407-235-3913; Email: edc@bus.ucf.edu
Associate Director, Executive & Professional Development Programs: Jana Breburdova
407-235-3915; Email: executiveeducation@bus.ucf.edu

The University of Central Florida College of Business Administration is proud to serve as a partner in executive education to the local, state, national, and international business communities. The Executive Development Center was established to provide 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 Master of Science in Management/ Human Resources
- Professional Master of Science in Management/ Business Analytics
- Professional Master of Science in Real Estate
- Open-enrollment Programs
- Custom Corporate Programs
Special Academic Programs and Research Institutes

**Florida-Canada Linkage Institute**
*Director*: Mark Hartman  
*Phone*: 407-823-3647; *Fax*: 407-823-2526  
*Email*: fcli@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 International Services Center, 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*: Mark Hartman  
*Phone*: 407-823-3647, *Fax*: 407-823-2526  
*Email*: eeli@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 International Services Center, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for students from central and eastern European countries to study in Florida state universities and 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  
*Phone*: 407-882-3960, *Fax*: 407-882-3968  
*Email*: iog@ucf.edu  
*Website*: 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  
*Address*: 1679 Clearlake Road, Cocoa FL 32922-5703; *Phone*: 321-638-1000  
*Email*: info@fsec.ucf.edu  
*Website*: 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, biomass to fuels, electric vehicles, smart-grid research 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  
*Address*: Florida Space Institute, PO Box 160650, Room 214 A, Orlando, FL 32816-0650; *Phone*: 407-823-6172; *Fax*: 407-823-6359  
*Email*: ramon.lugo@ucf.edu  
*Website*: http://fsi.ucf.edu

The Florida Space Institute provides unique, practice-based educational opportunities, combined with space science research and the resources to design, build, and test small satellites, instruments, and payloads. Using these resources FSI supports UCF and other member schools, as well as other educational and commercial customers. FSI provides 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 the UCF main campus. Typical research areas include small satellite innovations, planetary science, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

FSI hosts one of the nine US research teams of NASA’s Solar System Exploration Research Virtual Institute (SSERVI), called the Center of Lunar and Asteroidal Surface Science (CLASS). The teams participating in the Solar System Exploration Research Virtual Institute (SSERVI) will address scientific questions about the moon, near-Earth asteroids, the Martian moons Phobos and Deimos, and their near space environments, in cooperation with international partners. FSI’s faculty are also leading a NASA mission called Global Observations of the Limb and Disk (GOLD). GOLD will fly an ultraviolet (UV) imaging spectrograph on a geostationary satellite to measure densities and temperatures in Earth’s thermosphere and ionosphere.
FSI conducts its educational activities through the NASA Florida Space Grant Consortium (FGSC). FSI administers FGSC, a NASA sponsored state wide higher education program, led by the UCF. Through FGSC, FSI provides opportunities for students to participate in hands on space related projects like the Hybrid Rocket Competition, Florida Undergraduate Satellite Design Competition (FUNSAT), senior design projects and participation in NASA competitions. FGSC also provides fellowships, scholarships, internship and research experiences for students.

**Institute for Simulation and Training (IST)**

**Director:** Randall Shumaker  
Partnership II & III, 3100 Technology Pkwy, Orlando, FL 32826-0544, 407-882-1300  
Email: shumaker@ist.ucf.edu  
http://www.ist.ucf.edu

The Institute for Simulation and Training (IST) was established to conduct research and develop technology that advances the state of the art in affordable and effective human-centered simulation capabilities and training systems. 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 enabling technologies and technical talent necessary to research new ways to model human activity, improve human-agent interaction, and educate the next generation of scientists and professionals. 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 major simulation and training agencies from all branches of the U.S. military. The institute is a research and academic arm of the world's largest concentration of simulation and training for industry, government, health care, and entertainment.

IST's research staff of more than 200 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 technology. 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
- Team training and team performance
- 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.

**Oak Ridge Associated Universities (ORAU)**

President and ORAU Councilor for University of Central Florida: John C. Hitt  
Email: shumaker@ist.ucf.edu

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

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

The Small Business Development Center (SBDC) is part of a statewide organization designed to promote economic development by responding to the needs of the small business community. The SBDC, as part of the Office of Research and Commercialization at the University of Central Florida, is responsible for eight counties in the Central Florida area including ten satellite offices 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 & Sales  
- Operations  
- Technology  
- Market Expansion & Revenue Growth  
- Accounting  
- Management  
- Business & Strategic 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 Workshops. In addition to two special programs of Procurement Technical Assistance Center (PTAC) and Small Business Resource Network (SBNR).
Undergraduate Admissions
Associate Vice President: Gordon D. Chavis, Jr.
Duke Energy UCF 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 Duke Energy UCF 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 near International Drive. Please contact them at 407-903-8166 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 regarding 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.

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 University of Central Florida
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, may become ineligible for financial assistance, and may, in some cases, be withdrawn from the University. In addition to the required documentation mentioned above, students must have a satisfactory conduct record at all schools attended.

Due to restrictive state regulations, UCF is not permitted to provide online courses or instruction to students in some states. 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 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 http://admissions.ucf.edu. This process reactivates the application only; additional official credentials may be required. Admission for one term does not guarantee admission for a future term.

**Limited Access Programs**

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

**Orientation**

All first-time undergraduate degree-seeking students are required to attend orientation prior to enrollment. Orientation information is mailed to all FTIC students offered admission who have submitted their enrollment deposit and to all transfer students offered admission to the University. Information regarding orientation may also be viewed on the website at http://fye.ucf.edu/.

**Admission Categories**

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

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

**Academic Subjects**

- **English:** three of which must have included substantial writing
- **Mathematics:** at or above the Algebra I level
- **Natural Science:** two of which must include substantial laboratory requirements
- **Social Science:** history, civics, political science, economics, sociology, psychology, and geography
- **Foreign Language:** both credits must be in the same language
- **Additional academic electives:** from the 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

**Entrance Examination Scores**

- SAT Reasoning Test or the ACT Plus Writing. In addition, any student whose native language is not English may be required to submit a Test of English as a Foreign Language (TOEFL) or an International English Language Testing System (IELTS) score.

**High School Academic Units and Grade Point Average**

All applicants must have earned a minimum number of high school academic units (year-long courses that are not remedial in nature) to be considered for admission. A grade point average (GPA) will be computed only on academic courses. Plus(+) and minus(-) will not be included in the high school GPA 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 Subjects</th>
<th>Units Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>2</td>
</tr>
<tr>
<td>Total Units</td>
<td>18</td>
</tr>
</tbody>
</table>

**Applicant Eligibility**

As stated in Florida Board of Governors Regulation 6.002, an SAT Reasoning Test or ACT Plus Writing 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 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
Undergraduate Admissions

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 demonstrate competency of foreign language or American Sign Language equivalent to the second high school level or higher (Spanish 2, Haitian Creole 2, etc.) or at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution 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 the 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 Plus Writing;
   - 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 curriculum. 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 credit 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 and be in good standing as a degree-seeking student at the last institution attended to be considered for admission to UCF. Meeting these minimum requirements does not guarantee admission.

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

Transfer 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 Reasoning Test or ACT Plus Writing 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 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 demonstrated proficiency in a foreign language or American Sign Language equivalent to the second high school level or the elementary 2 level at an undergraduate institution 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 twelve 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,  
- Demonstrated proficiency at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution. This requirement applies to those students without the required demonstrated proficiency equivalent to the second high school level.

Meeting these minimum requirements does not guarantee admission.

Second Bachelor's Degree Applicants

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

- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Office of Undergraduate Admissions. Students should complete the undergraduate admissions application online at http://admissions.ucf.edu/.
Students who have previously attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar's Office. These students should follow the Readmission procedure located online at http://registrar.ucf.edu/readmission-application.

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 such one term and does not presuppose degree-seeking admission to the University. A transient student must submit an official transcript from the last institution attended. Transient student applications must be received by the appropriate application deadline. If a student’s last school of attendance is a Florida public institution, they may apply through the Florida Virtual Campus website at http://www.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 follow the same procedure and must meet the same admission requirements as transfer applicants. Please see the details on the previous page for transfer applicants. Meeting minimum admission requirements does not guarantee admission.

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

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

The following items will be needed in order to review an application for admission:

- Submit the completed UCF admissions application form with the required $30.00 non-refundable application fee (credit card online, check or money order in U.S. currency). The online application is available on our website at http://www.admissions.ucf.edu.
- Students who attended an international secondary school that uses 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.ets.org/toefl or IELTS, http://www.ielts.org.
- Results of the SAT Reasoning Test or ACT Plus Writing will be required if the student has earned less than 60 credit hours of college credit. Information regarding these examinations may be obtained from the College Board (SAT) at http://www.collegeboard.com or from ACT at http://www.act.org. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

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

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


Mandatory Health Insurance for International Students on F and J Visas
Each international student on an F or J visa offered admission shall, prior to registration for classes, submit proof of required health insurance coverage to UCF Student Health Services to comply with the State of Florida mandatory health insurance requirement for F and J students. Minimum coverage limits are posted on the Student Health Services website at http://www.studenthealth.ucf.edu. Use the link for International Students that directs you to information that is specific to the UCF-endorsed health insurance plan that meets all the State of Florida requirements. Proof of insurance coverage must be submitted to Student Health Services and may not be submitted via email.

The University reserves the right to refuse registration to any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids the responsibility to comply with the insurance requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids the responsibility to comply with the insurance requirement or who is unable to supply satisfactory proof of insurance. The University further requires the Vice President For Student Development and Enrollment Services or his/her designee to review all applications disclosing 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.

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 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 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.
Undergraduate Admissions

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. Although all college-level course work transferred from a regionally accredited institution is shown on the TSR and the UCF transcript, applicability of the course toward a degree requirement is determined by the college/school/department of the major.

General Education Transfer Credits
Transfer students from a Florida 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 (including all transfer credit). For more details, refer to ‘Academic Honors’ within the “Academic Regulations and Procedures” section of this Undergraduate Catalog.
The Office of Student Financial Assistance, a unit within Student Development and Enrollment Services, is dedicated to supporting UCF’s mission and goals through the efficient delivery of student aid. The office provides UCF students with a comprehensive offering of financial assistance options to support student success and the attainment of a university degree. Financial aid counseling is available on a walk-in basis. To protect the privacy of student records, we offer limited counseling services through phone and email.

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 disability. 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 federal regulations.

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. UCF must be listed on the FAFSA in order to receive the data. UCF’s Federal School Title IV code is 003954. Regulations are subject to change at any time.

Application Priority Date
All students must apply or reapply annually 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 no later than March 1st to meet the university’s 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.
- 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 generated by 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 return transcripts to verify tax information. Per federal regulations, copies of income tax returns (Form 1040, 1040EZ, etc.) are no longer acceptable. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries;
- Messages on the Student Aid Report (SAR) should be reviewed thoroughly;
- Review all correspondence, follow instructions on the Student Aid Report (SAR), and follow through within 5 – 10 business days. 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. Subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests will expedite completion of this process;
- Students selected for verification for the 2015-16 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have a completed financial aid file no later than 60 days prior to the beginning of a semester;
- Late or incomplete submission of documents can result in delayed disbursements or possible loss of eligibility for aid.
- Offered federal funds and other need-based financial aid are considered estimates 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 of study. Only courses toward degree requirements count for financial aid purposes;
- Students must maintain UCF’s Standards for Satisfactory Academic Progress (See http://finaid.ucf.edu/receiving/sap.html for more information);
- 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 package. 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 (See http://finaid.ucf.edu/applying/app_costs.html for more information);
- Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution;
- Students must provide all information requested for the completion of their file. If selected, verification must be completed within specified deadlines and prior to the receipt of all federal and most state and institutional funds;
- Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA;
- Students must reapply annually for financial aid;
- Students must accept, reduce or decline offered loan(s) on the myUCF View Financial Aid screen. First time borrowers must complete an online Entrance 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, GED certificate, or completed secondary school through homeschooling as defined by state law;
- For need based programs, students must show 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 (See http://finaid.ucf.edu/receiving/pec.html for more information).

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 (FASFA)/Renewal FAFSA. The processed results of the FAFSA must be received by UCF from the federal processor by March 1 to meet the university’s application priority date;

■ Use the IRS Data Retrieval Tool in the online FAFSA application. Applicants who use the unchanged data generated by 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 return transcripts to verify tax information. Per federal regulations, copies of tax returns (Form 1040, 1040EZ, etc.) are no longer acceptable. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries;

■ Students selected for verification for the 2015-16 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have a completed financial aid file no later than 60 days prior to the beginning of the semester;

■ Start a folder to save financial aid information and photocopies of all documents filed and received. Include student’s name and UCF ID on all documents submitted. (Do not submit originals; documents will be shredded after scanning.)

■ Activate your Knights Email account. 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; late or incomplete submission of documents can result in delayed disbursements or possible loss of eligibility for aid;

■ If there are extenuating circumstances or problems at any time, you may visit the office during normal business hours to speak 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 at http://finaid.ucf.edu/applying/app_costs.html for the estimated Cost of Attendance.

Financial Aid Programs Available at UCF

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

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

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.

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.

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. First time Federal Direct loan borrowers are subject to a maximum time period (measured in academic years) to receive Federal Direct Subsidized Loans. Students may not receive Federal Direct Subsidized Loans for more than 150% of the published length of their academic program. This time limit does not apply to Direct Unsubsidized Loans or Direct PLUS Loans. Visit our website for details.

Award Notification

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

Financial aid 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.

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 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 update on myUCF. All awards are subject to change.

Deferrals of Tuition and Fees

Deferrals allow for the delay that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is generally two weeks after the term begins. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferment process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program(s). Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, 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. In order 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.

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 and continues each week thereafter. During the first week of classes students are
To meet the standards adopted by the University of Central Florida, students must have received financial aid or transferred in from another institution. Federal regulations require the University to establish Standards of Satisfactory Academic Progress (SAP) for financial aid. A student must maintain satisfactory academic progress as a general eligibility requirement for financial aid. 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:

- Undergraduate students must maintain a minimum cumulative G.P.A. of 2.0.
- Complete a minimum of 70% of all credit hours attempted including accepted transfer hours. Compliance of this requirement is checked at the end of each term.
- 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 accepted toward the degree plus all UCF hours (see chart below).
- Students who do not meet the above standards will be placed on financial aid warning for the next term/semester. At the end of the following semester, students must either meet these standards or aid will be canceled for future terms until student either meets the standards or the student has an appeal approved placing them on financial aid probation with an academic plan on file demonstrating the requirements for the student to get back on track towards graduation.
- 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>Maximum Hours Allowed For Completing Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>180 Attempted Hours</td>
</tr>
<tr>
<td>Second Undergraduate</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist</td>
<td>100 Attempted Hours (including all graduate level hours)</td>
</tr>
<tr>
<td>Doctor</td>
<td>120 Attempted Hours (including all graduate level hours)</td>
</tr>
</tbody>
</table>

Student Financial Assistance

Re-establishing Eligibility after Cancellation

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

If the student was canceled for the failure to complete 70% of the attempted hours and since cancellation, has brought up the percentage to a minimum of 70%, the student will be reinstated during the end of the semester review process. If a student was canceled for not meeting the GPA requirement, they will be placed back on a reinstated status once their GPA has been brought up to the required level during the end of the semester review process.

To appeal, the student must:

- Complete the Satisfactory Academic Progress Appeal Form; (available at http://finaid.ucf.edu, under Forms).
- Include a detailed statement that explains the extenuating circumstances that prevented or resulted in the student not meeting the SAP standards.
- Attach documentation supporting specific circumstance(s) to the appeal form;
- Meet with an Academic Advisor and to complete an Academic Plan for Financial Aid;
- Submit the appeal and the supporting documentation to the Office of Student Financial Assistance. After a thorough evaluation of the written request and all supporting documentation, the Financial Aid Review Committee will notify the student of the decision by email communication or the student may view the updated status on myUCF, under View Financial Aid Status.


Satisfactory Academic Progress Probation

Students who submit a SAP Appeal that is approved will be placed on Financial Aid Probation, and will be continued on probation as long as they successfully comply with the prescribed academic plan that is submitted as part of the SAP Appeal. Progression will be monitored during the probationary period at the beginning and end of each semester to ensure the student is following the prescribed academic plan and successfully matriculating through their program of study. Disbursements will not be made for a semester unless it is verified that the prior review (if applicable) was acceptable and student is in the proper classes for the term in question. All probation students must successfully complete a minimum of 70% of the credit hours that they attempt each semester. In addition, students on probation for GPA and/or completion ratio must make positive progression in the appropriate area(s).

Transfer Students

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

Transfer students expecting to receive the Florida Bright Futures Scholarship at UCF are referred to contact the Florida Department of Education Office of Student Financial Assistance (OSFA) to transfer their scholarship from their previous institution to UCF. Student can call OSFA at 1-888-827-2004 or log onto the Bright Futures Scholarship website at https://www.floridastudentfinancialaid.org/home/ApplyHere.aspx to transfer the scholarship to UCF.

Independent Students

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

- you are 24 years of age or older by December 31 of the award year;
- you are married at the time the original FAFSA was filed for the year;
- you are or will be enrolled in a master’s or doctorate degree program (beyond a bachelor’s degree) at the beginning of the 2016-17 school year;
- you now have or will have children who receive more than half their support from you;

UNIVERSITY OF CENTRAL FLORIDA
you have dependents (other than your children or spouse) who
live with you and who receive more than half their support from
you and will continue to receive more than half their support from
you through June 30, 2016;

• you are currently serving on active duty in the U.S. Armed Forces
for purposes other than training;

• you are a Veteran of the U.S. Armed Forces. (“Veteran” includes
students who have engaged in active duty (including basic
training) in the U.S. Armed Forces, or are a National Guard
or Reserves enlistee who was called to active duty for other than
state or training purposes, or were a cadet or midshipman at one of
the service academies, and were released under a condition
other than dishonorable. You are not a veteran now but will be one
by June 30, 2016.

• at any time since you turned 13, both your parents were deceased,
you were in foster care or you were a dependent/ward of the court;

• you are an emancipated minor as determined by a court in your
state of legal residence;

• you are in legal guardianship as determined by a court in your
state of legal residence;

• your high school or school district homeless liaison determined
you were an unaccompanied youth who was homeless or were
self-supporting and at risk of being homeless;

• you were determined, by the director of an emergency shelter or
transitional living program funded by the U.S. Department of
Housing and Urban Development, to be an unaccompanied youth
who was homeless or were self-supporting and at risk of being
homeless anytime on or after July 1, 2014; or,

• you were determined, by the director of a runaway or homeless
youth basic center or transitional living program, that you were an
unaccompanied youth who was homeless or were self-supporting
and at risk of being homeless anytime one or after July 1, 2014.

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. Courses taken
elsewhere must meet some major or general education requirements
be calculated as part of student aid eligibility. 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.
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.

UCF students attending a Florida public community/state col-
leges who need to complete the Transient Student Admission
Application through Florida Virtual Campus at http://www.fvvc.org.

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 sig-
natures 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.

Students who are enrolled in transient hours must make arrangements
to pay tuition and fees at the visited school since there is no system
for deferral of those tuition and fees. In addition, it is the student’s
responsibility to ensure that the visited school promptly provides the
UCF Registrar’s Office with academic transcripts at the conclusion of
the term, confirming that the attempted hours are completed. This will
help avoid Satisfactory Academic Progress problems.

Students may not receive financial aid from two institutions for the
same term. 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 aid package has exceeded
either the unmet need or Cost of Attendance. To prevent over
awards, students are required to notify the Office of Student Financial
Aid of any potential awards not already listed on the student’s
financial aid summary on the Student Center in myUCF. In the
event of an over award, the student’s award package is reduced
to eliminate the over award, which may result in a repayment to
the institution of the over award.

Refunds and Return of Title IV Funds

Students should be aware that if they completely withdraw (officially
or unofficially) from the university after having received financial assis-
tance, they may 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. This may
change their loan deferment status with their loan servicer(s).

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 contact the office to review their
specific situation with a counselor. If a student presents extenuating
circumstances, an appeal can be submitted to include support docu-
mentation for review. The appeal will be reviewed and a decision will
be made through the Professional Judgment process.

Repeated Coursework

Federal regulations state that students may only receive federal finan-
cial 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 rate require-
ments 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.

Maximum Time Limitation on Direct Subsidized Loan
Eligibility

There is a limit on the maximum period of time a undergraduate stu-
dent can receive Direct Subsidized loans. First time Federal Direct
loan borrowers on or after July 1, 2013, are subject to a maximum
period of time (measured in academic years) to receive Federal Direct
Subsidized Loans. In general, students may not receive Direct Subsidized Loans for more than 150% of the published length of their
program of study. This time limit does not apply to Direct Unsubsidized Loans or Direct PLUS Loans. Visit our website for more information.

Excess Hours

In 2009, the Florida Legislature implemented Section 1009.286,
Florida Statutes to encourage students to complete their baccalaure-
ate degree as quickly and efficiently as possible and established an
Excess Credit Hour Surcharge. The bill requires universities to add
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 percent-
age defined in statute and is referred to by UCF as baseline hours
limit. The amount charged per credit hour is a calculated amount
referred to as the excess hours surcharge.

The financial aid office cannot increase students cost of atten-
dance as a result of being charged the excess hours surcharge. Excess
hours surcharge is a state statute and should not be con-
fused with the federal SAP standards. Students are encouraged
to meet regularly with their academic advisors to map out a timely
completion of their degree. For more information, please refer to
http://registrar.ucf.edu/excess-hours.

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STUDENT TUITION AND FEES

Student Account Services
Senior Associate Controller: TBA
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
- Due date and institutional loans collection (Loans and Collections)

Schedule of Fees
Note: 2015-2016 tuition and fees had not been established at the time of this publication. Rates for the 2015-2016 academic year will be available in July 2015 at http://tuitionfees.itkm.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 campuses, 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 deferrals 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 website 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 will be referred to a collection agency, and I agree to reimburse the fees of any collection agency, which may be based on a percentage of the debt collected, and all costs and expenses, including reasonable attorneys’ fees incurred in such collection efforts.”

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 2015 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. Summer 2015, Fall 2015, or Spring 2016). 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 Dates/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 the 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 the Student Account Services website at http://www.studentaccounts.ucf.edu/.

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://calendar.ucf.edu 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 in which the refund or other appeal action is applicable. Any debts to the University will be deducted from the refund, up to the full amount.

Full Refund Eligibility
The following conditions allow a full refund: 1) A class is dropped prior to the end of the Drop period; 2) Cancellation of a course by the University.
Student Tuition and Fees

Partial Refund (25%)

25% of tuition and associated fees assessed and paid, adjusted for waivers 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.

A written appeal for a refund or other appeal action must be submitted to the University within six (6) months of the close of the semester to which the refund or other appeal action is applicable.

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.

A written appeal for a refund or other appeal action must be submitted to the University within six (6) months of the close of the semester to which the refund or other appeal action is applicable.

Direct Deposit

Students are strongly encouraged to establish direct deposit with the University. Direct Deposit prevents delays due to lost checks or changes 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 disbursement, and enrollment only takes a few minutes. To enroll, sign in at https://my.ucf.edu and click on Student Self Service. Go to the Student Account Services link, then click on Direct Deposit and follow the instructions.

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 regular registration period for the term, who re-register, or who enroll for the first time that term during Late Registration and Drop/Swap and Add period. The Late Registration Fee is $100.00 per term 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 Florida regulations, the student must be a United States citizen, resident alien, paralee, Cuban national, Vietnamese refugee, or other refugee or asylee so designated by the United States Citizenship and Immigration Service, have established a legal residence in this state and maintained that legal residence for 12 months immediately prior to the term in which they are seeking Florida resident classification. The student’s residence in Florida must be the student’s 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.)
   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 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;
   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 a Florida post-secondary educational institution as an out-of-state resident and continuously enrolls in a Florida institution normally will not meet the Florida residency requirement for in-state tuition regardless of the length of time enrolled. Living or attending school in Florida merely evidences physical presence. The student must provide documentation verifying that he or she has formed significant legal ties to the State of Florida. This documentation must establish that the Florida residence constitutes a bona fide domicile rather than serving the purpose of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education. Evidence establishing legal ties to states other than Florida may disqualify the student from Florida residency for tuition purposes. All determinative documents must be dated at least 12 months before the first day of class for the term in which residency is sought.

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

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

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 identification, recruitment, matriculation, and investment, 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 citi-state and the global community.

The Division of Student Development and Enrollment Services is comprised of the following areas:

Academic Services for Student-Athletes (ASSA)
Director: Kimya Massey
WDSC I; 407-823-5896
Email: assa@ucf.edu
http://assa.sdes.ucf.edu

The Office of Academic Services for Student-Athletes, which is housed within the Division of Student Development and Enrollment Services, works in collaboration with the Athletics Department to assist student-athletes in their efforts to establish and achieve their personal, 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 (ASF)
Director: Richard Phillips
SU 215; 407-823-5548
Email: asf@ucf.edu
http://asf.sdes.ucf.edu

The Activity & Service Fee Business Office services the purchasing, accounting and personnel 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. The office also administers an online financial training course for registered student organization officers and their faculty/staff advisors.

In addition, the office manages the Student Government Ticket Center which sells a variety of specially-priced tickets to local theme parks, movie theaters, and attractions. The office also oversees 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.
The Creative School for Children is an Educational Research Center for Child Development that provides quality early learning experiences for children ages 6 weeks to 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 through the implementation of the Creative Curriculum, the Project Approach and Conscious Discipline 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 annual schedule.

Creative School offers the Florida State Voluntary Pre-K (VPK) program for age eligible four-year-old children and now offers an evening program for children ages 2-12 years and Summer Camp for children 6-12 years old. Evening care runs concurrently with the UCF and Creative School academic calendar. Experiences in observation, volunteerism, 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: fyae@ucf.edu
http://fyae.sdes.ucf.edu/

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

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs, and email and phone communication. The office focuses its efforts on providing proactive academic advising support, establishing early and regular communication, and providing outreach advising activities for first-year students residing in both on-and selected off-campus facilities. FYAE also offers academic advising at their satellite office located in Academic Village. FYAE advisors have been designated for first-year students to work with the EXCEL, COMPASS, Student Mentoring Program (OSSM), and Student Orientation Mentor (SLS 1501). FYAE also offers academic advising at their satellite office located in Academic Village. FYAE advisors have been designated for first-year students to work with the EXCEL, COMPASS, Student Mentoring Program (OSSM), and Student Orientation Mentor (SLS 1501). FYAE also offers academic advising at their satellite office located in Academic Village. FYAE advisors have been designated for first-year students to work with the EXCEL, COMPASS, Student Mentoring Program (OSSM), and Student Orientation Mentor (SLS 1501). FYAE also offers academic advising at their satellite office located in Academic Village.
Division of Student Development And Enrollment Services

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

The Fraternity and Sorority Life office is committed to providing excellence in active advising of fraternity and sorority leaders that will create lifelong bonds through the principles encompassed in fraternal values. This office fosters an inclusive environment and commitment to student growth, academic excellence, civic engagement, leadership development, relationships, and risk-reduction education. 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 via our Facebook page or on Twitter. Currently, we have 47 fraternities and sororities on UCF’s campus with more than 4,000 active Greek students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background.

Students are encouraged to take a closer look at UCF’s Greek community through participation in fraternity or sorority recruitment. It is important to be familiar with each council’s specific recruitment or new member intake process. For details, visit http://fsl.sdes.ucf.edu and select “Councils.” We encourage you to familiarize yourself with all of the councils to better understand the diversity of the Greek community and what each council has to offer.

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

The Department of Housing and Residence Life offers housing on the Orlando campus and the Rosen College of Hospitality Management campus for regularly enrolled students paying tuition and fees for a minimum of nine credit hours. Living with UCF Housing is strongly encouraged, and options are available for all classes of students, from freshmen to graduate students.

Students may apply for housing immediately after being offered admission to the university. The online application process is available through myUCF. There is not enough on-campus housing for all students. Therefore, all students desiring to live on-campus should apply as early as possible. Application periods include academic-year agreements (fall/spring) with a separate application for summer or 11.5 month annual agreements (fall/spring/summer). Many types of housing are available, ranging from suite-style shared-bedroom residence halls to luxury apartments with private bedrooms and bathrooms.

Many first-year students who apply for academic year agreements will receive assignments in shared-bedroom style-suites. Private bedrooms in apartments are guaranteed only in the Towers at Knights Plaza located on the Orlando main campus, NorthView, located adjacent to the main campus or the Rosen College of Hospitality Management Student Apartments, located at the Rosen Campus.

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.

Inclusive Education Services (IES)
Director: TBA
Location TBA; 407-823-4427
Email: ies@ucf.edu
http://ies.sdes.ucf.edu/

The office of Inclusive Education Services provides an innovative and distinctive post-secondary educational experience to individuals with intellectual disabilities. The office facilitates meaningful immersive UCF community experiences for college students with intellectual disabilities via diverse academic, professional, personal, and social opportunities with the goal of advancing employability, independence and life satisfaction. Students admitted to UCF through this initiative will enroll as non-matriculated students.

LEAD Scholars Academy (LSA)
Director: Stacey Malaret
FC 165; 407-823-2223
http://lsa.sdes.ucf.edu

The mission of the LEAD Scholars Academy is to establish an environment that will provide comprehensive leadership education, development, and civic engagement opportunities for the UCF community. Through collaboration and partnerships, the LEAD Scholars Academy incorporates established leadership models to create professional, academic and experiential opportunities that challenge, empower, and advocate for students to become social change agents and encourages citizenship 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 an extended program that may last several weeks or years to a one-day workshop. The focus is to provide a variety of programmatic options that recognize students have different needs, time constraints, and levels of interest.

The LEAD Scholars Academy academic program provides academic, service and experiential opportunities for students that combine in and out of class room challenges in both an academic and co-curricular environment. The application process for this academic program is open to all first time in college students prior to the beginning of their UCF career. Those accepted into the academic program have achieved student success.

All UCF students may participate in the LEAD Scholars Academy through various experiential tracks including campus engagement, civic engagement, women’s leadership, multicultural leadership, undergraduate research, the virtual leadership academy, study abroad and the Clinton Global Initiative University program.

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

Multicultural Academic and Support Services (MASS)
Director: Wayne Jackson
SU 154; 407-823-2716
http://mass.sdes.ucf.edu

The Office of Multicultural Academic and Support Services provides comprehensive academic support, cultural enrichment, consultation, and referral services that promote the retention and graduation of multicultural and First Generation college students. MASS offers personalized advising and support; mentors academic progress; sponsors Greek summer programs; facilitates Achievement and Retention (SOAR); coordinates the Brother to Brother, Knight Alliance Network (for Foster Care alumni) and Multicultural Transfer Students Programs. 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.

Neighborhood Relations and Safety Education (NRSE)
Assistant Vice President, Student Development and Enrollment Services: A.J. Range
Ferrell Commons, Building 7C, Suite152; 407-823-6505
http://snr.sdes.ucf.edu; http://offcampus.ucf.edu

While Neighborhood Relations and Safety Education is charged with assisting and providing information and resources for students, faculty, and staff with their search for off-campus housing accommodations, its first mission, however, is to support and promote on-campus housing for students. The NRSE office also has contact with and communicates to local off-campus apartment communities regarding student housing opportunities. This office also offers unbiased information and instructions for students wishing to sublease their off-campus apartment; and offers “moving off-campus” consultations and information about local services, i.e., transportation, furniture rental information, dry cleaning, shopping, and utilities.

NRSE further serves UCF students, who live off campus, with directions and information regarding a variety of on-campus programs, events, activities, and services. This office fosters a supportive and
Division of Student Development And Enrollment Services

Office of Student Involvement (OSI)

Director: Michael Preston
SU 208; 407-823-6471
http://osi.ucf.edu

The mission of the Office of Student Involvement 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, promote civic responsibility, embrace differences, and connect students to the campus and the community.

To fulfill our mission, OSI's staff members oversee the registration and management of more than 600 registered student organizations (RSOs), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Homecoming, Knight Camp, Knight-Thon, Knights of the RoundTable (KoRT), Late Knights, Student Government Association (SGA), Student Outreach Services, Volunteer UCF (VUCF), and Knights of the Turntables. OSI's DJ service, http://osrr.sdes.ucf.edu; http://goldenrule.sdes.ucf.edu;

Office of Student Rights and Responsibilities (OSRR)

Executive Director, Assistant Dean of Students: Dana Juntunen
Ferrell Commons, Building 7G, Suite 227; 407-823-4638

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 includes the Office of Integrity and Ethical Development (IED), the Office of Student Conduct (OSC), and Student Care Services (SCS). 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 supports 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 (IED)

Director: Jennifer Wright
Ferrell Commons, Building 7F, Suite 142; 407-823-3477
http://ied.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 of 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 (OSC)

Director: Michael Gilmer
Ferrell Commons, Building 7G, Suite 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 student conduct, community responsibilities, and behavioral expectations in the Rules of Conduct in the Golden Rule Student Handbook. This office is also responsible for admission clearances, dean’s certification, and student eligibility checks. Copies of the Golden Rule Student Handbook 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 (SCB). The primary purpose of the SCB is to foster the personal, educational, and social development of students.

Student Care Services (SCS)

Assistant Director: Ann Marie Palmer
Ferrell Commons, Building 7F, Suite 142; 407-823-5607
http://scs.sdes.ucf.edu; http://cares.sdes.ucf.edu

Student Care Services offers guidance, resources, and referrals to UCF students who are experiencing a distressing situation which significantly impacts academic or personal success. The SCS team coordinates referrals to campus and community resources, develops action plans for student success, oversees the Student of Concern process, and provides education and outreach to university and community members. Our goal is to intervene before a student reaches crisis level and ensure the safety of both the student and the UCF community. SCS also oversees UCF Cares, an umbrella of care-related programs, resources and staff dedicated to fostering a caring community of Knights.

PRIME STEM Student Support Services Program

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

PRIME STEM/Student Support Services is a federally-funded TRiO program (U.S. Department of Education). The program supports college students pursuing STEM majors (Science, Technology, Engineering, and Mathematics) who are first-generation, low income, and/or have a documented disability. The project offers academic and personal services and resources to assist PRIME STEM scholars to successfully complete a STEM degree. As an advocate for access to higher education, PRIME STEM/Student Support Services is committed to providing the support necessary to empower participants in developing and achieving academic goals.

Recreation and Wellness Center (RWC)

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

The Recreation and Wellness Center 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 UCS Recreation and Wellness Center strives to 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 RWC @ Knights Plaza satellite facility make up the RWC. The RWC facilities and programs offers activities 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 (RO)

University Registrar: Brian C. Boyd
MH 161; 407-823-3100, 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 implements procedures in accordance to university policies through campus-wide communication, collaboration, and leadership. In addition, the Registrar’s Office is responsible for management and publication of course offerings, Undergraduate Advising Guide, the online Undergraduate Catalog, the efficient utilization of classroom resources, readmission, transient student admissions, residency reclassifications, student veteran services, NCAA Division I initial and continuing eligibility, the Knights Graduation Grant Initiative, and Commencement.

Social Justice and Advocacy (SJA)

Director: Edwanna Andrews
SU 207; 407-823-1027
Email: sja@ucf.edu
http://www.sja.sdes.ucf.edu

Social Justice and Advocacy is responsible for providing oversight to the Multicultural Student Center and LGBTQ+ Services. The mission of SJA is to promote an equitable campus environment where all are assured that diversity, in its many forms, is valued. We will support efforts to increase equal access to campus resources and opportunities, while cultivating inclusiveness to the least advantaged members of the campus community. SJA will advocate to decrease obstacles that prevent students from succeeding at the University of Central Florida. SJA, MSC and LGBTQ+ Services provides programming and initiatives to advocate for a socially just campus community.

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 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 on-going communication throughout the year with these students to keep them aware of various major exploration outreach events, and to help sophomore and second-year freshmen students stay connected and engaged with the UCF campus community. 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 and 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 resources and academic advising services through conducting various student outreach program sessions during the summer, fall, and spring semesters.

Student Academic Resource Center (SARC)

Director: Rebecca Piety
HPH 113; 407-823-5130
Email: sarc@ucf.edu
http://sarc.sdes.ucf.edu

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

The SI program focuses on providing assistance to students enrolled in historically difficult courses such as human anatomy, biology, chemistry, microbiology, engineering, computer science, and physics. By attending these peer-led study sessions, students have 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 college-level 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 study skills assessments and online resources to help students become successful at the college level.

University Testing Center (UTC)

HPH 106; 407-823-5109
Email: utc@ucf.edu
http://utc.sdes.ucf.edu

The University Testing Center provides academic and professional testing services for UCF students and the community. UTC is an institutional, state, and national standardized test center. Institutional and state tests include Accuplacer; Critical Thinking Test; Distance Learning/Correspondence Exams; Florida Teacher Certification Examinations (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) – General Test and Subject Areas
- Law School Admissions Test (LSAT)
- Medical College Admission Test (MCAT)
- Test of English as a Foreign Language (TOEFL IBT)

Accommodations for students with disabilities are made available in coordination with the Office of Student Accessibility Services.

**Student Accessibility Services (SAS)**

**Director:** Adam Meyer
**FC 185:** 407-823-2571
**Email:** sas@sas.ucf.edu
http://sas.sdes.ucf.edu

The Office of Student Accessibility Services facilitates campus access and reasonable accommodations for students with disabilities. Such accommodations may include, but are not limited to, classroom accommodations (including examination accommodations), alternative format text materials, captioning/interpreters, and information and referral to campus and community services.

Reasonable accommodations are available to, but not limited to, students with ADHD, hearing and visual impairments, physical disability and/or health-related impairment, psychological and/or psychiatric disability, specific learning disability (such as dyslexia), speech impairment, or other disabilities.

After admission to the university, students who want to explore reasonable academic accommodations should connect with Student Accessibility Services. Students can meet with a consultant in-person, by phone or via Skype. Students should not worry about having the “right” documentation at the time of the meeting. Any documentation needs can be discussed during the initial conversation.

The most up-to-date initial contact procedures can be found at http://www.sas.ucf.edu. Students are encouraged to come to SAS and explore the possibilities and options without feeling a need to commit to utilizing any resources. The student determines how to proceed based on the information presented and personal preferences. All information is confidential and will be used only to coordinate accommodations with appropriate UCF personnel.

**Student Financial Assistance (SFA)**

**Director:** Alicia Keaton
**MH 120:** 407-823-2827
http://finaid.ucf.edu

The Office of Student Financial Assistance, a unit within Student Development and Enrollment Services, is dedicated to supporting UCF’s mission and goals through the efficient delivery of student aid. The office provides students with a comprehensive offering of financial assistance options to support student success and the attainment of a university degree. Financial aid counseling is available on a walk-in basis. To protect the privacy of student records, we offer limited counseling services through phone and email.

**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 parks, legal services, recreational opportunities through the Recreation and Wellness Center and Sport Clubs Council, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Knight-Thon, Knights of the RoundTable, and much more. Money allocated by the Student Government Association for these services comes from Activity and Service Fees that students pay during registration. Additionally, registered 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 President and vice president, oversees the daily administrative operation of SGA. The Legislative branch funds registered student organizations and also passes bills and resolutions benefiting the student body. The Judicial branch oversees and takes part in hearings concerning constitutional, legislative, and student rights 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 Health Services (SHS)**

**Director:** Michael Deichin, M.D., M.P.H.
**Student Health Services Building, Suite 309:** 407-823-2701
http://www.studenthealth.ucf.edu

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

UCF Student Health Services provides care at four convenient locations: the main campus Health Center; Knights Plaza at the north end of campus; the College of Medicine; Rosen College of Hospitality Management. SHS 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.

SHS insurance office staff will assist students with filing insurance claims. As of March 2015, UCF SHS physicians are contracted in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, Aetna, AvMed, and Cigna health insurance plans. This entitles patients to use SHS providers for their primary care needs and realize cost savings through covered services. We will bill any insurance company directly on your behalf. Students are responsible for out-of-pocket expenses. SHS 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 charges incurred at SHS and also provides benefits for services that are beyond the scope of the campus SHS program, such as hospital referrals and specialty care (subject to co-pays and deductibles). Charges incurred outside the SHS are the responsibility of the student, including transport by ambulance.

The SHS Dental Center, housed within the main Health Center, provides preventive, restorative and cosmetic dental services by appointment at 407-823-1635. Prices are discounted for students. The Dental Center accepts dental insurance PPO plans and payment plans are available for various treatment plan options.

The UCF SHS Alcohol and Other Drugs (AOD) program is housed within the UCF Counseling and Psychological Services building. AOD provides education, outreach, and treatment to all UCF students. Additional services include both individual and group therapy, as well as support groups which include Alcoholics Anonymous, Narcotics Anonymous and relapse-prevention groups. All therapy provided by AOD is approved by the Florida Safety Council.

Two convenient pharmacy locations on campus are staffed by pharmacists passionate about patient education and providing excellent customer service. Our principal pharmacy is located in the main Health Center, and a satellite pharmacy is located within the smaller clinic at Knights Plaza. The pharmacies accept over 250 prescription insurance plans and offer competitive prices for those students who have insurance coverage.

When SHS is closed, students may obtain information and help from the SHS telephone message at 407-823-2701 or its website that provides access to a 24-hour Nurse Line and 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://www.studenthealth.ucf.edu (charges for services are the student’s responsibility).
Division of Student Development And Enrollment Services

Student Legal Services (SLS)
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, unauthorized entry, divorces, name changes, Chapter 7 Bankruptcies, traffic tickets, criminal cases including misdemeanors and felonies of third degree, and sealing and expunging 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)
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 the Office of Student Outreach Services is to attract, motivate, and prepare underrepresented middle and high school students from the local area to pursue and complete a college education. Students and their families are offered a variety of opportunities and programs designed to assist in the navigation of the college admissions, financial assistance, and career preparedness processes. We are committed to partnering with the UCF community and other external agencies and organizations vital to providing quality programming for all of our participants.

Student Union (SU)
Director: Rick Falco
SU 312; 407-823-3677
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, Dominos, Pita Spot, Wackadoo’s Grub and Brew, Qdoba, Nathan’s Famous, Asian Chao, Huey Magoo’s, Corner Café and Topper’s Creamery. Retail stores include Knights’ Stop Convenience Store, Wireless Expressions and College Optical. Other services located in the union include the SGA Ticket Office, SGA Computer and Express Labs, 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 (except during holidays and semester breaks), and the union is open until midnight on Saturday and 2 a.m. on Sunday and weekdays (excluding holidays and semester breaks). For information, call the Information Desk at 407-823-0001. The Student Union is funded by the Student Government Association.

Transfer and Transition Services (TTS)
Director: TBA
HPH 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;
- 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.

Undergraduate Admissions (UA)
Associate Vice President: Gordon Chavis, Jr.
Duke Energy UCF Welcome Center; 407-823-3000
Email: admission@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 public 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/Friday 9 a.m. to 5 p.m.

Veterans Academic Resource Center (VARC)
Director: Paul Viau
Veterans Academic Resource Center, CFE Arena; 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 Accessibility Services, and Transfer and Transition Services, and provides the home for Veteran Services.

Located at UCF Knights Plaza/CFE 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, CFE Arena; 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.benefits.va.gov/gibill/).

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

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

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

Students currently enrolled at UCF and another institution may receive VA educational benefits, but first must complete the appropriate Transfer 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.

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 education benefits. Please go to http://varc.sdes.ucf.edu/docs/ucfyellowribbonprogram_rules.pdf for more information.

Effective July 1, 2014, the C.W. Bill Young Veteran Tuition Waiver Program is available to any honorably discharged veteran of the U.S. Armed Forces, U.S. Reserve Forces, or the National Guard who is not considered a Florida resident for tuition purposes but who resides in Florida while attending UCF. Please go to http://varc.sdes.ucf.edu/benefits for more information and application requirements.

Wellness and Health Promotion Services (WHPS)
Director: Maureen Hawkins
Recreation and Wellness Center Building, Suite 111; 407-823-5841
http://whps.sdes.ucf.edu

Wellness and Health Promotion Services 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, wellness and academic success, by offering a wide range of health promotion and risk reduction services on topics including: alcohol and other drugs, sexual wellness, nutrition, stress management, sleep hygiene, body acceptance, smoking cessation, sexual violence, and healthy relationships. A variety of services are provided by health professionals including screening and education, along with HIV testing and counseling, massage therapy, and biofeedback assisted relaxation training. Trained Peer Health Advocates help promote healthy behaviors both by staffing Health Huts around campus and by facilitating interactive workshops.
Transfer and Transition Services
Director: TBA
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 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 articu-
lated degree programs should refer to the “Articulated A.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 imme-
diate access to staff during regular business hours. Visit the website

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 infor-
mation 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 tele-
  phone, 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 universi-
  ties 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 trans-
ferring to UCF. Florida College System institution counselors and advi-
sors are provided with information and resources about the require-
ments 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.

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 admis-
sion, 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 pro-
grams; 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

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

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<tr>
<th>Requirement</th>
<th>Status</th>
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<tr>
<td>Y___ N___</td>
<td>met with a DirectConnect advisor</td>
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<tr>
<td>Y___ N___</td>
<td>met with counselor or advisor for graduation check</td>
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<tr>
<td>Y___ N___</td>
<td>completed application for graduation</td>
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### Application for Admission

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<th>Date/Status</th>
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<tr>
<td>Y___ N___</td>
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</tbody>
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### Transcripts

<table>
<thead>
<tr>
<th>Institution</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___</td>
<td>transcripts sent from all current and prior institutions</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>Final transcript sent after term completed</td>
</tr>
</tbody>
</table>

### Financial Aid/Scholarship

<table>
<thead>
<tr>
<th>Date/Status</th>
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### Housing

<table>
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### Immunization

<table>
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<tr>
<th>Date/Status</th>
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### Foreign Language Requirements (Admission)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___</td>
<td>2 years/units earned in high school</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>Elementary level 2 earned in college</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>credits to be taken at the university</td>
</tr>
</tbody>
</table>

### Program (Major) Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___</td>
<td>selected a major</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>completed major prerequisites</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>submitted limited access application</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>met grade point average (GPA) requirements</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>met cumulative GPA for admission to program of study</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>met cumulative GPA in courses taken for program of study</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>met grade requirements for designated courses</td>
</tr>
<tr>
<td>Y___ N___</td>
<td>met audition/portfolio/additional admission requirements</td>
</tr>
</tbody>
</table>

### Orientation

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<th>Date/Status</th>
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Note: Although American Sign Language may be used to satisfy the UCF admission requirement, it may not satisfy graduation requirements of the specific major.
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 through Friday, 8:00 a.m. to 5:00 p.m.
- Transfer students must declare a major; students undecided about their major should contact Transfer and Transition Services for advisement.
- Undeclared students with 45+ credit hours are placed on advising hold.

Students should:

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

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

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

Freshman (First Time in College - FTIC)

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

New FTIC Students can expect to:

1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration.
   b. An assessment of high school grades, entrance and placement test scores, and AP, dual enrollment and CLEP credit.
   c. An awareness of expectations for success at UCF and procedures.
   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, COMPASS, 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 via email at cahsa@ucf.edu or in person by visiting CAHSA during regular business hours. Students can also access CAHSA’s website at: http://www.cahsa.ucf.edu

New students will:

1. Meet with a CAHSAn 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 CAHSAn advisor after filing the online intent to graduate and prior to the deadline for filing the intent.
3. Maintain current contact information and regularly check their Knights Email account and degree audit.
Academic Advising

College of Business Administration
The College of Business Administration (CBA) strives to provide its students with the highest quality academic advising and career counseling. The Office of Professional Development (OPD) partners with departmental faculty advisors to assist prospective and current business majors develop an educational plan that meets their career goals.

New students will:
1. Be classified as 'pre' until admission to the major requirements are met and a change of major request has been approved. 'Pre' students have enrollment access to non-restricted classes within the CBA;
2. Meet college-advising representatives in a group setting during Orientation to discuss admission to the major requirements, college policy, procedures, expectations, and degree programs;
3. Review degree requirements at Orientation using the Degree Audit and CBA literature to better understand degree requirements and a CBA;
4. Meet with a faculty advisor in the department of their declared major during the first enrolled term to petition any relevant transfer work into their degree program, as needed;
5. Meet with a Career Coach in the OPD (BA2, Room 101), to understand the career options of their major; and;
6. Be advised in the OPD if the major is "Pre Business" and the student is classified as at least Sophomore standing.

Continuing students will:
1. Meet with a member of the OPD Advising Team to review academic progress and develop or update an academic plan. Degree requirements and course prerequisites should be reviewed prior to registration each term;
2. Meet with their Career Coach as directed by activities in the college’s Career Professionalism curriculum;
3. Register for courses in MyUCF at their scheduled appointment time. All changes to the student’s class schedule must be completed by the end of the drop/swop and add periods;
4. Be classified as 'pre' until admission to the major requirements are met and a change of major request has been approved. 'Pre' students have enrollment access to non-restricted classes within the CBA;
5. Meet with a faculty advisor and/or member of the OPD Advising Team during the term prior to the anticipated graduation term as needed; and;
6. File the "Intent to Graduate Form" by the end of the term prior to the term in which graduation is intended.

Students placed on 'Lack of Progress' due to Major and or College of Business Administration GPA concerns will:
1. Have a “hold” placed on their subsequent registration; and;
2. Meet with a faculty advisor in the department of their declared major to review the student's academic situation and develop a plan of action.

College of Education and Human Performance
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 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;
3. 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;
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; and;
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 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 advice on determining a major as soon as possible. Failure to declare a major by the end of the first year may result in a delay of graduation.

Continuing students will:
1. Meet with an advisor in the CECS Academic Affairs Office or the department of their major during each term. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the CECS Academic Affairs Office or Computer Science Undergraduate Advising Office in HEC 345;
2. Set up an appointment with an advisor to review your academic progress and to develop an academic plan. Review this plan each term with the advisor prior to registration;
3. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration 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 (HPAZ, 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.

UNIVERSITY OF CENTRAL FLORIDA
College of Medicine
Burnett School of Biomedical Sciences

New students will:
Meet with the Burnett School of Biomedical Sciences (BSBS) 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;
3. Be directed to an appropriate academic/faculty advisor for help with information and guidance for medical/health professional or graduate programs admission requirements; and
4. 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 HP2, 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 your OSSA and faculty and consult with the Office of Pre-Health and Pre-Law Advisement.

Pre-Health Professional Planning
Pre-professional advisement deals primarily with understanding the requirements for successful application and admission to health professional schools.

Admission to a health professional school is highly competitive. Pre-health professional 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 in our program. 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 for pre-health students; however, the biomedical science major meets all admission requirements for health professional schools including medicine, dentistry, veterinary, pharmacy, physician assistant, etc. Our BS programs provide our students with a solid background to excel in health professional school programs. All students seeking admission to health professional schools should enroll in SLS 2311. Overview of Selected Medical Careers, in their first year at UCF and seek additional guidance from Office of Pre-Health and Pre-Law Advisement.

Additionally, prudent use of elective hours in the curricula will permit other appropriate pre-health professions courses to be obtained to help prepare for specific admission exams.

All pre-health professions students are strongly encouraged to participate in the activities of one or more of the student health related organizations and become involved in community service and career shadowing.

Curricula Guidelines
All pre-health professions students are strongly encouraged to enroll in SLS 2311 (Overview of Select Medical Careers) the first 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 Biology: BSC 2010, BSC 3403C*
- General Chemistry: CHM 2045C, 2046, 2046L
- Organic Chemistry: CHM 2210, 2211, 2211L
- Biochemistry: BCH 4053
- Biochemistry/Molecular Lab: BSC 3403C
- Microbiology: MCB 3020C
- Calculus: MAC 2255 (prefer MAC 2311, 2312)
- Physics: PHY 2053C, 2054C or PHY 2048, 2049
- Statistics: STA 2023
- Immunology: PCB 3233 and PCB 3233L
- Neurobiology: ZOO 3744
*Biomedical Sciences and Biotechnology majors substitute BSC 3403C (Quantitative Biological Methods) for BSC 2011C.

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

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

Continuing students will:
1. If accepted in a nursing program, attend a College of Nursing orientation and see a faculty advisor during the first few months of each semester to review program courses and check progress toward graduation;
2. If a nursing pending major, see an advisor in the College of Nursing, College 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 each semester; 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;
New students will:
1. Access the class schedule and Degree Audit online at https://my.ucf.edu;
2. Resolve any HOLDs placed on their account preventing them from registering;
3. Register for classes through https://my.ucf.edu. Special assisted registration (e.g., overrides, independent study, thesis) for COS courses must be handled in COSAS. All registration must be completed by the published deadlines (see Academic Calendar in the current UCF Catalog);
4. 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,
5. 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. A COSAS Student Success Workshop schedule is available each term at http://www.cos.ucf.edu/cosas/current-students/academic-probation/. Regional Campus students and distance learners should contact COSAS for alternatives to attending a workshop;
3. Design a plan of study with an advisor within the department of their major for the upcoming semester; and,
4. Bring the plan of study to a COSAS advisor prior to the withdrawal deadline of the current semester and prior to registration for the subsequent semester.

Graduating students will do the following during the term PRIOR to the graduating term:
1. Review COS graduation instructions available at http://www.cos.ucf.edu/cosas (click on graduation button);
2. Complete the on-line graduation application on myUCF within the dates specified at http://calendar.ucf.edu;
3. Complete COS graduation form at http://www.cos.ucf.edu/cosas (click on graduation button);
4. Check your knights email account for further instruction. Graduating students may be required to see a COSAS advisor to review status.

College 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 programs 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 schedules.

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. View 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
UCF Regional Campuses provide a wide variety of instruction modes and schedules, including web class availability. Admissions, Registration, Financial Assistance, and Advising and Student Services 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.

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 degree programs and requirements. Further, students are asked to meet in a pre-advising session prior to Orientation to determine if the student is to attend the required orientation session in Orlando or at through the live or virtual orientation offered by the Regional Campus system. In these sessions, students 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.

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 student’s 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’s session). Spring Registration begins following midterm for the Fall semester. Summer I and Fall Registration begin following the midpoint 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://calendar.ucf.edu.

Terms and Credit Hours

The University of Central Florida academic schedule consists of two semesters (Fall and Spring), and the Summer term. The graduation credit value of each course of instruction is stated in terms of credit hours. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

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

(b) At least an equivalent amount of work as required in paragraph (a)

of this definition for academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Undergraduate Enrollment Status

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

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

Credit Hour Limits

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

Excess Hours

Effective Fall 2009, pursuant to Florida Statute 1009.286, students entering a Florida 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 enrolled in degree progress courses. More detailed explanation of the excess hours rule can be found on the University Registrar’s Office website at http://registrar.ucf.edu/excess-hours.

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

Holds

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

Drop/Swap and Add Policy

Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the Academic Calendar). Drop/Swap or Add may be done using the myUCF system (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 513. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or will be fee liable and receive a grade. For withdrawal after the Drop/Swap period, refer to the “Withdrawal Policy” of the Undergraduate Catalog. Please consult the Academic Calendar for Drop/ Add and Withdrawal deadlines.

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

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

UCF Math Placement Test

The University believes that appropriate placement of students into certain course sequences is important to help foster an environment of success. The University administers the UCF Math Placement Test to determine placement into the mathematics course sequence. Students who do not meet prerequisites for mathematics courses are required to take the UCF Math Placement Test, and are strongly recommended to complete the UCF Math Placement Test prior to attending Orientation. If the UCF Math Placement Test is not completed prior to Orientation, delays in registration for mathematics courses may result. The UCF Math Placement Test is for placement purposes only and does not award credit. More information about the UCF Math Placement Test is available at http://ucf.sdes.ucf.edu/math/.

Senior Citizen Audit

Senior Citizens (60 years of age or older) who have been residents of the State of Florida for at least one year as of the first day of classes, may enroll tuition free as Audit students (i.e., no academic credit is given). Forms to apply 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://calendar.ucf.edu. Direct student expenses after the completion of registration include the campus ID card, vehicle registration and applicable fees.

State of Florida Employee and UCF Employee Registration

State of Florida employee and UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available only basis on the last day of Registration each term at the time specified on the “Academic Calendar” online at http://calendar.ucf.edu. 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
- Continuing Education
- Off-campus credit
- Soldier's-to-Scholars
- Regional Campuses
- 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 previously denied admission or disqualified for enrollment are not eligible.
3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students.
4. Registration is permitted on a space-available basis;
5. A maximum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student;
6. International students may not register as non-degree-seeking since immigration regulations prevent foreign nationals from enrolling who are not admitted to a degree or certificate program;
7. Limited Non-degree students are not eligible to receive financial aid nor to participate in intercollegiate sports; and
8. Students must complete a Limited Non-Degree Seeking Status Registration Form.

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

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

State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is on a space-available basis during the last hours of enrollment as noted in the Academic Calendar online at http://www.registrar.ucf.edu/calendar. STEP students must present a “Certification” letter to Student Account Services (MH 109) to receive waiver of eligible fees. Registration before the time specified in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar will result in the student being assessed regular fees. The tuition fee waiver cannot be used for courses that require increased costs, including, but not limited to courses offered through the Center for Continuing Education, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, co-ops, internships, individual study, in music, art, or dance. Eligible members of the active Florida National Guard may receive a waiver of 50% of tuition and material and supply fees.

State University System (SUS) Florida Transient Students

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

UCF Students Attending Another Florida Public Institution

UCF students who desire to attend another Florida Public institution, to earn credit for transfer back into a UCF degree program, as a transient student, are encouraged to complete the “Transient Student Form” online, which is available on the Florida Virtual Campus website at http://www.flvc.org under “College Students” > “Transferring". Students wanting to attend a Florida private institution or an institution outside the State of Florida may obtain a printed form from the UCF Registrar’s Office. The prior permission of the department, school, and college advising office is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

UCF Students Attending a Non-SUS Institution

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

Enrollment and Degree Verifications

Students may obtain their enrollment verification online through myUCF at https://my.ucf.edu. Enrollment certification is free to currently enrolled students. Parents, employers, background checking firms, and other third party agencies may request enrollment and degree verifications online at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161), or by using a third party service provider. A fee will be assessed for all such requests. UCF has contracted with National Student Clearinghouse to provide current enrollment and degree verifications 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 as a result of "W" until the deadline noted in the “Academic Calendar” online at http://calendar.ucf.edu. A student may withdraw from courses using myUCF at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161), or by using a third party service provider. A fee will be assessed for all such requests. Students must submit the completed, approved and signed form to the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5652. Faxed requests must be received by 5:00 p.m. on the last day to withdraw and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students 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 advisement prior to withdrawing from a class. Students who withdraw from courses for an entire term with the intent of not returning to UCF must 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 as published in the academic calendar, students withdrawing from courses will incur both grade and fee liability. No drop is permitted after the drop/swap 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. Exceptional 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. If approved, a late drop includes a refund of tuition and fees, and the courses will not appear on the student’s academic records. Students must submit the completed petition and all supporting documentation for a late drop to 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 withdraw after the deadline 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 late withdrawn courses. Students must submit the completed petition...
Beginning Fall 2001, a plus/minus grading system became effective, with a grade point equivalent per semester hour as follows:

<table>
<thead>
<tr>
<th>Grade Points Per</th>
<th>Grades</th>
<th>Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.00</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>3.75</td>
<td>A-</td>
<td></td>
</tr>
<tr>
<td>3.25</td>
<td>B+</td>
<td></td>
</tr>
<tr>
<td>3.00</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>2.75</td>
<td>B-</td>
<td></td>
</tr>
<tr>
<td>2.60</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>C-</td>
<td></td>
</tr>
<tr>
<td>1.75</td>
<td>D+</td>
<td></td>
</tr>
<tr>
<td>1.25</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>D-</td>
<td></td>
</tr>
<tr>
<td>0.75</td>
<td>F</td>
<td></td>
</tr>
<tr>
<td>0.00</td>
<td>NC - No Credit</td>
<td></td>
</tr>
</tbody>
</table>

*Available only in CHM 1032, CHM 2040, CHM 2041, CHM 2045C, CHS 1440, ENC 1101, ENC 1101H, ENC 1102, ENC 1102H, MAC 1105CH, MAC 1105H, MAC 1114C, MAC 1140C, MAC 1140H, MAC 2147, MAC 2223, MAC 2241, MAC 2253, MAC 2281, MAC 2281H, MAC 2311C, MAC 2311H, and STA 2014C. In these classes NC replaces the use of D+, D and D-.

The designation of “N” will be assigned temporarily by the Registrar’s Office only in the case when a grade has not been submitted by the 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 and prior to graduation. The “N” designator may not be assigned by the instructor.

In the event of academic dishonesty, instructors 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 I grades. GPA is recalculated after each term; for Summer GPA it is recalculated only after all Sessions and end of term. The GPA for graduation requirement is a minimum UCF 2.0 (“C”).

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

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

   Total = 13 credit hours = 46 total grade points

2. Divide the total number of grade points by the total number of credit hours earned that term:
   
   \[
   \text{GPA} = \frac{46.00 \text{ total grade points}}{13 \text{ credit hours}} = 3.54 \text{ GPA for that term.}
   \]
UCF Cumulative GPA. If prior to this term the student had earned a total of 162 grade points for a combined 54 term hours of coursework, his or her 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. The requirements of the course must be completed in a reasonable time following the end of the term. When an instructor assigns an "I" grade for a course, the student is notified through email about the grade. The student is responsible to arrange with the instructor for the completion of the requirements of the course. Effective with Incomplete grades assigned in the Fall semester 1997 and thereafter, a student cannot graduate from the University with an "I" on the transcript. The Incomplete must be changed within one year of the last day of the term attempted or prior to graduation from the University, whichever comes first. Unresolved Incomplete grades automatically will be changed to "F" by the Registrar's Office. Unresolved "I" grades in courses graded with "S" or "U" will be converted to "U."  

Grade Change
A grade change is the change of any originally assigned grade to another grade, including grades of "I" and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Grade changes other than medical withdrawals will be considered only during the term immediately following the one in which the grade was assigned, except that grades assigned during the Spring semester may be changed during either the following Summer term or Fall semester. A change in grade must be approved by the dean of the college or school. A grade will not be changed after a degree has been conferred. The Registrar will change a student's academic standing 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, or instructor. Reasons for acceptable absences may include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, professional conferences), military obligations, severe weather conditions, and religious holidays.

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a "Program Verification" form. Program Directors shall provide each student with a copy of this form. It is the student's responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 142). 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 and subpoenas) must be excused. The student may offer other sound reasons. When absences threaten a student's satisfactory completion of a course, the instructor may report the absence to the appropriate Dean of the student's college/school and may choose to call upon the college/school office to request additional information and insight into the significance of or reason for the absences.

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

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

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.

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 his or her religious instructor at the beginning of the term to be excused from classes to observe the religious holy day.

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

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

Student Classifications
Students will be classified by level, on the basis of credit hours satisfactorily earned as follows:
- Freshman: 0-29 credit hours
- Sophomore: 30-59 credit hours
- Junior: 60-89 credit hours
- Senior: 90 or more credit hours, prior to completion of baccalaureate requirements

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

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

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

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

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

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

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

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

Academic Honors

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

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

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

Baccalaureate Honors and Diplomas
The University shall confer baccalaureate honors recognition on those students who have completed a minimum of 48 credit hours at UCF and who:
1. Attain an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;
2. Attain at least a 3.20 overall grade point average; and,
3. Honors awarded will be: 
   - Summa Cum Laude for those students in the upper 2.5 percent
   - Magna Cum Laude for those students in the upper five percent, but not in the upper 2.5 percent
   - Cum Laude for those students in the upper 10 percent, but not in the upper five percent

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

Consult the Academic Honors list at http://iikm.ucf.edu/enrollment-graduation/grad-honors-gpa-standing/ 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 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. Both courses must be submitted no later than the withdrawal deadline for the term/session in which the student has registered for the course being repeated. Consult the web calendar at http://calendar.ucf.edu. 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 or “NC” grade in the course, the attempt will count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;
7. UCF does not honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida 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 after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once; and,
11. With prior approval from the Dean’s office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).

Repeated Enrollment in Same Course: Beginning Fall 1997, a student enrolled in the same undergraduate college 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 standing. 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
Academic Regulations and Procedures

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 tutoring. Early recognition will indicate to the student the possible jeopardy to academic goals and will also allow an opportunity to demonstrate acceptable performance.

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

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

Earning Credit While Disqualified
A student disqualified while a freshman or sophomore who subsequently 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;
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 on https://my.ucf.edu. Log on to myUCF using your student ID and password and then go to Student Self Service > Student Center. Once on the Student Center page, go to the “Other Academic…” dropdown menu and scroll down to “Readmission Application.” If the student has attended another regionally accredited institution since leaving UCF, the student must request an official transcript from the Registrar’s Office. If the student was previously admitted to a UCF limited-access program, the student will be placed in pending status for that major and must apply to the College for readmission to the program. Plus or minus grades will transfer for course work earned Fall 2001 and after using UCF’s grade point system.

Readmitting students classified as a “Florida resident” during the last term at UCF who have resided outside of the State of Florida for one year or more may not be eligible for readmission as Florida resident for tuition purposes. Students approved for readmission may be classified as a non-resident for tuition purposes and must submit documentation to the Registrar’s Office establishing his or her eligibility for Florida residency for tuition purposes. For eligibility requirements, refer to “Florida Residency for Tuition Purposes” within “Financial Information” of the Undergraduate Catalog.

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

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

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

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

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

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

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

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

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 one stapled packet of appellant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:
   a. A completed “Application for Readmission as an Exception to University Policy Form”;
   b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;
   c. Any supporting documentation as directed by the college, school or other University personnel;
   d. Any additional supporting documentation (optional); and,
   After a thorough evaluation of both the appeal and all required supporting documentation, the Admissions and Standards Committee will render a decision. The decision of the committee will be based upon University readmission policy and information presented in the appeal. Decisions are final and there is no appeal beyond the committee. If a student feels there is new or missing evidence that was not available at the time of the original appeal, that may be submitted to the Chair of the Admissions and Standards Committee for further consideration. Simply disagreeing with the committee’s decision is not grounds for reconsideration.

Disqualified (with a Grade Point Deficiency of 30 or more Grade Points) and Excluded students are not eligible for readmission to the University and have no right to appeal for an exception to University policy to the Admissions and Standards Committee.

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 admit 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;
Academic Regulations and Procedures

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 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 make appropriate changes to the address online at myUCF.

Name Changes

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

Address and Email Changes

The student’s address is initially obtained from the “Application for Admission or Readmission.” It is the student’s 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. Transcripts requests must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all required documentation is completed.

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

Third Attempt Course Repeat Surcharge

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 theFee Appeals Committee. Student Account Services (MH 109).

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

Exempting 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 recent 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), the student must adopt the most current Catalog. Students changing from a declared major to an “Undeclared” major may retain their Catalog when initially selecting a major. Students can change majors online at https://my.ucf.edu > Student Self Service > Student Center > academic (drop down menu) > Change Major: Request. Follow the directions on that page. 

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

Undergraduate Certificates
An undergraduate Certificate is a supplement to the bachelor’s degree program/major. Certificates are optional. Students must be admitted in a degree seeking program to be eligible to receive an undergraduate Certificate, and a Certificate will only be granted together with completion of a UCF baccalaureate degree. All graduation requirements (i.e. the certificate and major/minor) must be from the same UCF Undergraduate Catalog for which a student is eligible. Certificates can be declared or changed online at https://my.ucf.edu.

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

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

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

2. The right to request the amendment of the student’s education records within 30 days after the University receives a written request to amend the record. The student must specify the part of the record the student wants to have amended, and indicate why the record is inaccurate or misleading. The student may ask the University to include a written statement with the student’s education records which explains the student’s view regarding the disputed information. The University will notify the student of its 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 151) or at http://www.registrar.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 151) or from http://www.registrar.ucf.edu/heaf/.
Accelerated Educational Opportunities

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

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

Advanced Placement Program (AP)

(see table below)

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

Advanced Placement Language (all modern languages)

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

Advanced Placement Literature (all modern languages)

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

Advanced Placement Latin

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

AP Latin: Vergil
LNW 2321

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

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### Advanced Placement (AP)

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<th>Score of 4</th>
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<td>Mut 1111 and MUT 1241 if both aural and non-aural subscores are 3 or higher</td>
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<td>PHY 2048C</td>
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<tr>
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</table>

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

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

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UNIVERSITY OF CENTRAL FLORIDA

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### INTERNATIONAL BACCALAUREATE

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<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<td>BSC 1005/1005L and BSC 2010C</td>
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<td>GEB 2011 and 2905</td>
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<td>CHM 1020/1020L and CHM 2045C</td>
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<td>ETI 1410 and 1906</td>
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<td>FRE 1121C and 2200</td>
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<td>MHF 1202 and 1209</td>
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<td>GEO 1200 and 1400</td>
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<td>MAT 1033 and MGF 1106</td>
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*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

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<th>Exam</th>
<th>Scale Score of 50 for passing</th>
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<th>Comments</th>
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<td>Score of 50 or higher earns SCI Found 2</td>
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<td>Algebra-Trigonometry, College</td>
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<td>Ancient Near East to 1648</td>
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<td>Western Civilization II:</td>
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<td>GER 1120C and 1121C</td>
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</tbody>
</table>

*This use for General Education applies only to I.B. credit.
International Baccalaureate (all modern languages)

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

Language B (most common)

Students earn a minimum of one semester (3 credits) of language credit at the Elementary Language II or equivalent level (usually 1121C) level for a score of 4. Students who score 5-7 earn a minimum of two semesters (min. 6 credits) of Elementary Language 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 in language or literature for score of 4, 6 credits for 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 in literature for score of 4, 6 credits for score of 5-7 (all exams for diploma holders, higher level exams only for others).

College Level Examination Program (CLEP)

(see table on previous page)

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

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

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

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

CLEP Language Examinations

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

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

Cambridge AICE Exams (see table below)

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 on next page)

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.

### CAMBRIDGE AICE EXAMS

<table>
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<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
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<td>Accounting (AS-Level)</td>
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<td>Art and Design (A-Level)</td>
<td>ART 1906 and ART 1907</td>
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<td>BSC 1005/1005bral</td>
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<td>BSC 2010C and BSC 1906</td>
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<td>Business Studies (AS-Level)</td>
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<td>Chemistry (AS-Level)</td>
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<td>Computing (AS-Level)</td>
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<td>English - English Language (AS-Level)</td>
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<td>English - Language &amp; Literature in English (AS-Level)</td>
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<td>English - Literature in English (AS-Level)*</td>
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<td>Further Mathematics (A-Level)</td>
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<td>General Paper</td>
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<td>Geography (AS-Level)</td>
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<td>German (A-Level)</td>
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<td>Global Perspectives 1 (AS-Level)</td>
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<td>Global Perspectives Pre-U Independent Research II (A-Level)</td>
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<td>History - Modern European History, 1789-1939</td>
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<td>History - International History, 1945-1991</td>
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<td>Latin (AS-Level)</td>
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<td>Latin (A-Level)</td>
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<td>Mathematics (AS-Level)</td>
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<td>MAC 2311 and MAC 1906</td>
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<td>Music (A-Level)</td>
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<td>Music (A-Level)</td>
<td>MUH 1001 and 2011</td>
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<td>Physics (A-Level)</td>
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<td>Travel and Tourism (A-Level)</td>
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*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.
### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
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<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade</th>
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<td>Business Ethics and Society</td>
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<td>Business Math</td>
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<td>Criminal Justice</td>
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<td>Human/Cultural Geography</td>
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<td>Introduction to Law Enforcement</td>
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<td>Management Information Systems</td>
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<td>Technical Writing</td>
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### EXCELSIOR COLLEGE EXAMINATIONS TABLE

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<td>Earth Science</td>
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<td>English Composition</td>
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<td>Foundations of Gerontology</td>
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<td>Introduction to Music</td>
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### UEXCEL CREDIT BY EXAMINATION

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<td>College Writing</td>
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<tr>
<td>Spanish Language</td>
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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 extensions, 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 degree requirements of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. However, courses may change (for example, in credit hours or in prerequisites) or be discontinued as a result of curricular review. 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 Summer, the Summer, and Fall). Continuous enrollment is automatically broken when a student moves from one transfer institution to another following academic disqualification or exclusion.

Students who change majors between different colleges must adopt the most current Catalog. Additional information is included in the program descriptions. Students pursuing a single degree (including double majors and/or minors) must use a single catalog and cannot use a combination of catalogs for graduation. In cases when required courses are no longer taught by the University, the appropriate department, college, or Academic Services (MH 210) may designate a reasonable substitute. If a student desires to change the catalog for graduation, the student should first discuss with the advisors how such a change would affect University, college, and major requirements.

If a student decides to request a change, he or she must submit a “Catalog Year Change Request Form” to the Registrar’s Office (MH 161). This form is available at the Registrar’s Office or online at http://www.registrar.ucf.edu.

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

Courses that fulfill the General Education Program requirements are specified, but in some cases an alternate course in the same discipline may be substituted for GEP requirements. These alternate courses, approved by the Faculty Senate Undergraduate Common Program Oversight Committee, are listed in the section identified as “Alternate Courses: General Education Program.” Students should consult with an advisor before enrolling in an alternate course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate “General Education Requirements Met” upon written request, if they have completed UCF’s GEP requirements with a GPA of 2.0 or better. UCF will accept a similar statement on transcripts received from Florida 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 develop appreciation of common human themes and the richness of diverse cultures.
- Be able to analyze and discuss meaning of an artwork, performance, or text in diverse aesthetic, historical and cultural contexts.
- Demonstrate knowledge and critical thinking of the concepts, styles, and aesthetic, theoretical, and critical principals in 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.
### General Education Program (GEP) Courses (36 credit hours required)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundation</td>
<td>9 hours</td>
</tr>
<tr>
<td>ENC 2001* Western Civilization</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ENC 1101 Composition</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>HUM 2230 Humanistic Tradition</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundation</td>
<td>9 hours</td>
</tr>
<tr>
<td>ENC 1101 Composition</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ENC 1102 Composition</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>CGS 1060C Introduction to Computer Science</td>
<td>3(2,2)</td>
</tr>
<tr>
<td>MUL 2010* Biological Principles</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>C. Mathematical Foundation</td>
<td>6 hours</td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>MAC 1105C College Algebra</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>MGF 1107 Explorations in Mathematics</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>D. Social Foundation</td>
<td>6 hours</td>
</tr>
<tr>
<td>ECO 2003 Principles of Microeconomics</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>POS 2014 American National Government</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>AMH 2010* U.S. History: 1877-present</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>E. Science Foundation</td>
<td>6 hours</td>
</tr>
<tr>
<td>PHY 2048C Physics for Scientists &amp; Engineers</td>
<td>4(3.3)</td>
</tr>
<tr>
<td>PHYS 2010 Concepts of Physics</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>PHY 2053C College Physics I: MAC 1105C, MAC 1114C</td>
<td>4(3.3)</td>
</tr>
<tr>
<td>CHM 1020 Concepts in Chemistry PR: High School Algebra</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals</td>
<td>4(3.1)</td>
</tr>
<tr>
<td>MCB 1310 Intro to Biotechnology and Genetic Engineering</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>GLY 1030 Geology and its Applications</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>GEO 1200* Physical Geography</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>ANT 2511 The Human Species</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

*Course prefix for which one of the designated State General Education Core Courses in the Mathematics Foundation is a direct prerequisite. A direct prerequisite is a course explicitly listed in the prerequisite statement of a subsequent course. See the Courses and Descriptions section of this Catalog for current course prerequisites.

### 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.

### General Education Alternate Courses:

#### Substitutions for designated State General Education Core Courses

- **GEP Requirement:** Any course with an ENC prefix for which ENC 1101 is a direct prerequisite. A direct prerequisite is a course explicitly listed in the prerequisite statement of a subsequent course. See the Courses and Descriptions section of this Catalog for current course prerequisites.

- **Mathematical Foundation:** Any mathematics course with an MAA, MAC, MAD, MAP, MAT, MGF, MHF, MITB, MTG, or STA prefix for which one of the designated State General Education Core Courses in the Mathematics Foundation is a direct prerequisite. A direct prerequisite is a course explicitly listed in the prerequisite statement of a subsequent course. See the Courses and Descriptions section of this Catalog for current course prerequisites.

- **Science Foundation:** Any natural science course with a BOT, BSC, MCB, PCB, ZOO, CHM, CHS, ESC, GLY, AST, PHY, PHZ, or PSC prefix for which one of the designated State General Education Core Courses in the Science Foundation is a direct prerequisite. A direct prerequisite is a course explicitly listed in the prerequisite statement of a subsequent course. See the Courses and Descriptions section of this Catalog for current course prerequisites.

- **Other courses that may be taken in substitution for the GEP requirements are listed below. These alternate courses do not satisfy the State General Education Core Course requirement:**

**GEP Requirement**

<table>
<thead>
<tr>
<th>Course</th>
<th>Acceptable Substitutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1020</td>
<td>CHM 1440, CHM 1032</td>
</tr>
<tr>
<td>COP 2040</td>
<td>CHM 2040 &amp; CHM 2041</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>GEO 2370</td>
</tr>
<tr>
<td>MCB 1310</td>
<td>MCB 1010, MCB 1040</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>PHY 2048C, PHY 2048C</td>
</tr>
<tr>
<td>GLY 1030</td>
<td>GLY 1030</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>GEO 1200</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>CHM 1020</td>
</tr>
<tr>
<td>COP 2050C</td>
<td>COP 2050C, COP 2050C, COP 3500C</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>STA 2014C</td>
</tr>
<tr>
<td>FIL 1000</td>
<td>FIL 1000, FIL 2030, FIL 3037</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>MUL 2010, MUL 2016, MUL 2720</td>
</tr>
</tbody>
</table>
**Diversity Requirement**

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

Students are exempt from this requirement if they have completed an Associate of Arts degree or the General Education Program at a Florida 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 II
- 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 II
- LIT 2120 World Literature II

**Other Courses:**
- AMH 3422 Frontier Florida
- AMH 3425 Sunbelt Florida
- AMH 3562 Women in American History II
- AML 3283 Contemporary American Women’s Fiction
- AML 3615 Harlem, Haiti, and Havana
- AML 4882 Ethnic Literature in America
- ANT 3245 Native American Religions
- ASH 4304 Women in China
- CCJ 4129 Cultural Diversity in Criminal Justice
- CCJ 4670 Women and Crime
- CJE 4174 Comparative Justice Systems
- COM 4014 Gender Issues in Communication
- COM 4461 Intercultural Communication
- CPO 3034 Politics of Developing Areas
- EDF 2085 Introduction to Diversity for Educators
- GEO 3471 World Political Geography
- JST 3401 Jewish People in Antiquity
- JST 3402 Wanderings: The Jewish People in Dispersion
- LIN 4615 African-American Styles of Communication
- LIN 4643 Cross Cultural Communication
- LIT 3192 Caribbean Literature
- MMC 4300 International Media
- MUL 2720 Music of the World
- NUR 3805 Dimensions of Professional Nursing Practice
- PAD 4446 Multiculturalism in Public Administration
- PLA 4020 Law and Society
- PLA 4830 World Legal Systems
- PLA 4472 Employment Discrimination Law
- POS 3627 Cultural Pluralism and Law
- PUP 3325 Women and Political Behaviors
- PUP 4622 Politics and Civil Rights
- PUP 3314 Women and Political Behavior
- PUP 3204 Sustainability
- SOW 3620 Social Work with Diverse Populations
- SPW 4772 Black Presence in Contemporary Latin American Literature
- SYD 3800 Sex and Gender in Society
- SYP 4732 Minority Aging
- THE 4230 Cultural Diversity in Theater
- WST 3561 Third Wave Feminisms
- WST 3015 Introduction to Women’s Studies

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

**Exit Exams**

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

Foreign Language Proficiency Requirement
(Bachelor of Arts Degree)

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

Placement in Language Courses

Placement in foreign language courses is based on one year of high school foreign 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 “Special College and/or Departmental Requirements” within each listing.

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

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

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

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

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

American Sign Language

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

SUS Foreign Language Admission Requirement

Students who have not satisfied the Foreign Language Admission Requirement (competency of foreign language or American Sign Language equivalent to the second high school level or higher (Spanish 2, Haitian Creole 2, etc.) or at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution) at the time they are admitted to the University must satisfy this requirement prior to graduation. This requirement applies to all undergraduates and is separate from the UCF Foreign Language proficiency requirement.

The Gordon Rule

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

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

Gordon Rule Requirement:  

1. Six hours of mathematics at the level of college algebra or higher
2. Six hours of course work and six hours of additional college level writing

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

2. Six hours of English coursework and six hours of additional courses and college level writing.

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

ENC 1101  Composition I
ENC 1102  Composition II
ENC 2110  World Literature I
ENC 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
HUM 2230  Humanistic Tradition II
WOH 2112  World Civilization I
WOH 2122  World Civilization II

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

AMH 2010H  Honors U.S. History: 1492-1877
AMH 3402  History of the South to 1865
AMH 3403  History of the South Since 1865
AMH 3441  History of the Frontier: Eastern America
AMH 3442  History of the Frontier: Western America
AMH 3541  U.S. Military History To 1900
AMH 3561  Women in American History I
AMH 3571  Black American History I
AMH 3580  North American Indians
AMH 3580  Canadian History
AMH 4110  Colonial America, 1607-1763
AMH 4130  The Age of the American Revolution, 1763-1789
AMH 4140  Jeffersonian America
AMH 4150  Jacksonian America
AMH 4201  The Gilded Age and Progressivism
AMH 4231  United States History: 1914-1939
AMH 4270  United States History: 1939-1960
AMH 4644  Viewing American History in the Twentieth Century
AML 3031  American Literature I
AML 3041  American Literature II
AML 3063  Contemporary American Women’s Fiction
AML 3266  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 3662  Ethnic Literature in America
AML 3662H  Honors Ethnic Literature in America
AML 4101  American Novel
AML 4153  American Poetry at Mid-Century
AML 4155  Modern American Poetry
AML 4261  Literature of the South
AML 4265  Florida Writers
AML 4300  Major American Authors
AML 4304  Whitman and His Heirs
AML 4321  Modern American Literature
AML 4630  Latino/Latina Literature
ANT 3163  Mesoamerican Archaeology
ASH 3222  Islam and its Empires
ASH 3223  The Modern Middle East
ASH 4402  History of Chinese Civilization
ASH 4404  Modern China
ASH 4442  Modern Japan
EAS 4700C  Aerospace Design I
EGN 4412C  Interdisciplinary Design I
EML 4501C  Engineering Design I
ENC 1101H  Honors Freshman Composition I
ENC 1102H  Honors Freshman Composition II
ENC 3241  Writing for the Technical Professional
ENC 3241H  Honors Writing for the Technical Professional
ENC 3250  Professional Writing
ENC 3310  Magazine Writing I
ENC 3311  Essay as Cultural Commentary
ENC 3315  Argumentative Writing
ENC 3330  Rhetorical Traditions
ENC 3331  Rhetoric and Civic Engagement
ENC 3331H  Honors Rhetoric and Civic Engagement
ENC 3333  Writing for Publication
ENC 3351H  Honors Writing for Publication
ENC 3373  Cultural Rhetorics
ENC 3417  Literacy and Technology
ENC 3453  Writing About Health and Medicine
ENC 3455  Writing About Science and Technology
ENC 3455H  Honors Writing About Science and Technology
ENC 3456H  Honors Writing About Health and Medicine
ENC 3473  Writing in Disciplinary Cultures
Undergraduate Degree Requirements

Summer Attendance Requirement
A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. Petition forms for exemption are available from the Academic Services website http://www.academicservices.ucf.edu/summer-waiver/.

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

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

Graduation Application Deadline
Students must complete the “Intent to Graduate” online at https://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://commencement.ucf.edu.

Successful completion of the degree requirements stated in the Undergraduate Catalog under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at the University. A student may not be enrolled as a transient student without the required two units of foreign language in high school.

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.
Undergraduate Degree Requirements

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. Students who initially enter a Florida College System institution or a State University System institution in 2014-2015 or thereafter must also demonstrate competency in a foreign language equivalent to two years of high school instruction in the same language.

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 Design, 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, Engineering, Film, French, History, Humanities and Cultural Studies, Latin American Studies, Music, Philosophy, Religion, and Cultural Studies, Spanish, Theatre Studies, Writing and Rhetoric

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, Integrated Business, Management, Marketing, Real Estate

Bachelor of Science (B.S.)
Major: Economics

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
Burnnett 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, Communication & Conflict, Human Communication, International and Global Studies, Journalism, Physics, 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

College 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

UNIVERSITY OF CENTRAL FLORIDA
## Academic Minors by College

<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Business Administration</td>
<td>Accounting, Business, Economics, Entrepreneurship, Finance, International Business, Marketing, Real Estate, Sport Business Management, Technological Entrepreneurship</td>
</tr>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>Event Management, Hospitality Management</td>
</tr>
<tr>
<td>College 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/.
The Burnett Honors College combines the intimacy of a small liberal arts college with the benefits of a large, research university located in a metropolitan environment. The mission of the College is to provide UCF’s most academically talented and motivated students with a challenging and unique scholarly experience, creating a strong foundation for future achievements. The College strives to create a diverse learning community that fosters the pursuit of excellence, ethical, social, and civic responsibility, personal growth, and a passion for life-long learning.

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 Labs, 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 (FTIC) on a competitive basis. 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 Symposium; and 3) fulfill upper-division Honors course requirements determined by college or major.

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

Summary Table of University Honors Requirements

| Symposium: | IDH 1920H |
| Lower-division: | 4 courses |
| Upper-division: | 3 courses; Vary by College and Major (see below) |

The current upper-division requirements are as follows:

- **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, Economics (B.A.) and Interdisciplinary Studies majors**
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete one Honors upper-division course (3000-4000 level) or Interdisciplinary Seminar
  3. Complete one Honors upper-division course, Interdisciplinary Seminar, or Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

- **College of Business Administration (Excluding Economics B.A. majors)**
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Business courses
  3. FIN 3403H Honors Business Finance
  4. MAN 3205H Honors Management of Organizations
  5. MAR 3203H Honors Supply Chain Management

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

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

- **College of Medicine (excluding Medical Laboratory Sciences majors)**
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two of the following Honors upper-division courses:
     - CMB 302C Honors Microbiology
     - ZOO 373C Honors Human Anatomy
     - PCB 370C Honors Human Physiology
     - PCB 352H Honors Molecular Biology
     - PCB 425H Honors Molecular Biology
     - ZOO 4703C Honors Clinical Neuroanatomy
     - MCB 4932H Honors Group Effort Applied Research
  Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

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

- **College of Engineering and Computer Science**
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division courses:
     - COP 323H Honors Introduction to Programming with C
     - COP 3502H Honors Computer Science I
     - COP 3503C Honors Computer Science II
     - COT 3100H Honors Introduction to Discrete Structures
     - ENC 3241H Honors Writing for the Technical Professional
     - EGN 3310H Honors Engineering Analysis-Statics
     - EGN 3321H Honors Engineering Analysis-Dynamics
     - STA 3032H Honors Probability and Statistics for Engineers
     - EGN 3343H Honors Thermodynamics
     - MAS 3105H Honors Matrix and Linear Algebra
     - EGN 3365H Honors Structure and Properties of Materials
     - PHY 3101H Honors Physics for Engineers and Scientists III
  Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

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

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

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

3 An Honors Interdisciplinary Seminar normally is an upper-division 3 credit hour course intended for all majors. Many seminars are team-taught, and present cutting-edge topics. Enrollments are limited to 20 students. For more information about Honors requirements and advising, visit http://ooha.honors.ucf.edu

**Acceptable Waivers**

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

**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 (HIM) Directed Readings courses do NOT fulfill University Honors requirements. The successful completion of Thesis I and submission of thesis can fulfill one University Honors course requirement. EGN 4931H and NUR 3165H can fulfill HIM Directed Readings.

**Honors in the Major**

The Honors in the Major (HIM) Program is the oldest and most prestigious undergraduate research program at UCF, and is the only undergraduate research program on campus in which students undertake original and innovative research as principle investigators. In this program, students research, write, defend and publish an original Honors thesis that serves as the capstone product of their undergraduate career. This thesis is published through the university library and is available to researchers worldwide through electronic databases. The Honors in the Major Handbook that details the procedures for completing this program is available online at http://research.honors.ucf.edu/honors-in-the-major.

Requirements for admission to the Honors in the Major are: completion of at least 60 credit hours of college credit including at least 12 graded upper-division hours; 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 who meet the eligibility requirements must obtain an application from the Office of Research and Civic Engagement in The Burnett Honors College. Students must also be supported by a UCF faculty member and seek approval from their Department Chair before submitting their application materials.

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and completion of at least three hours of Directed Readings course work, and the completion of at least three hours of Honors Thesis. Nursing majors can take NUR 3165H 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 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 Chair and at least two committee members must be tenured or tenure-serving faculty. The student must receive a grade of at least "B" in all Honors in the Major course work to complete 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 the semester before 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**

The Burnett Research Scholars Program (BRS) is designed to help students identify and work with a faculty mentor in an area of shared interest, and then to assist student-mentor teams with project funding. In order to be a Burnett Research Scholar, students must submit a grant application and be selected to receive funding. 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 and the extensive and, and can begin as early as a student’s freshman year. Students who are applying for a prestigious opportunity 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

80 Undergraduate Catalog 2015-2016
The College of Arts and Humanities includes the following departments: English, History, Modern Languages & Literatures, Philosophy, and Writing & Rhetoric. The College houses programs in Africana Studies, American Studies, Asian Studies, Florida 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, which offers degrees in Music and Theatre. 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’s office 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
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, Writing and Rhetoric, and Political Science meet this criterion. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that the Law School Admission Test (LSAT) be taken prior to consideration for admission. General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-law Advisor.

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

College of Arts and Humanities Student Advising (CAHSA)

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

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 addressed via email to cahsa@ucf.edu or to the CAHSA staff by visiting CNH 201. 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 eight area studies programs with an international focus: Africana, American, Asian, Judaic, Latin American, Middle Eastern, Russian, and Women’s Studies. 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: Delia Garcia; 407-823-3312
Asian Studies - Contact: Humberto Lopez; 407-823-2472
Judaic Studies - Contact: Moshe Peili; 407-823-5039
Latin American Studies - Contact: Consuelo Stebbins; 407-823-1173
Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225
Russian Studies - Contact: Vladimir Solonari; 407-823-6617, or Alla Kourova; 407-823-2472
Women’s Studies - Contact: Maria Santana; 407-823-2269

International Study Centers

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

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

Programs, Tracks, and Degrees

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<tr>
<th>Title</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Africana Studies</td>
<td>Minor</td>
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<tr>
<td>American Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Architecture</td>
<td>BD</td>
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<tr>
<td>Art</td>
<td>BA, MFA</td>
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<tr>
<td>Asian Studies</td>
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</tr>
<tr>
<td>Cinema Studies (Film)</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Community Arts - PAVE</td>
<td>Minor</td>
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<tr>
<td>Dance</td>
<td>Minor</td>
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<tr>
<td>Digital Humanities</td>
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<tr>
<td>Digital Media</td>
<td>BA, MA, Minor</td>
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<tr>
<td>Diplomacy</td>
<td>Minor</td>
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<tr>
<td>English</td>
<td>BA, MA, Minor, MFA</td>
</tr>
<tr>
<td>Film</td>
<td>MFA</td>
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<tr>
<td>Florida Studies</td>
<td>Minor</td>
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<tr>
<td>French</td>
<td>BA, Minor</td>
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<tr>
<td>Gender Studies</td>
<td>Certificate</td>
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<tr>
<td>History</td>
<td>BA, MA, Accelerated MA, Minor</td>
</tr>
<tr>
<td>Humanities and Cultural Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Italian</td>
<td>Minor</td>
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<tr>
<td>Judaic Studies</td>
<td>Certificate, Minor</td>
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<tr>
<td>Latin American Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Middle Eastern Studies</td>
<td>Minor</td>
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<tr>
<td>Music</td>
<td>BA, BM, MA, Minor</td>
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<tr>
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<td>BME</td>
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<tr>
<td>Performing Arts Administration</td>
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<td>Philosophy</td>
<td>BS</td>
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<tr>
<td>Photography</td>
<td>BS</td>
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<tr>
<td>Religion and Cultural Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Russian Studies</td>
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<tr>
<td>Spanish</td>
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<tr>
<td>Teaching English as a Foreign Language (TEFL)</td>
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<td>Teaching ESL</td>
<td>MA</td>
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<td>Theatre</td>
<td>BA, BFA, MA, MFA, Minor</td>
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<tr>
<td>Translation and Interpretation</td>
<td>Certificate</td>
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<tr>
<td>Women’s and Gender Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Writing and Rhetoric</td>
<td>BA, Minor, Certificate</td>
</tr>
</tbody>
</table>

Departments and Programs

Africana Studies: Program

Program Director: Anthony Major
CNH 110; 407-823-0026
http://africana.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 inter-
disciplinary 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: Delia Garcia
CNH 201; 407-823-3312

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: Humberto Lopez
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, Modern Languages, History, Humanities, Philosophy, Political Science).

Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts—PAVE: Program
Program Director: Byron Clercx
VAB 117; 407-823-3145

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; 407-823-5586
Email: english@ucf.edu
http://www/english.cah.ucf.edu/

Faculty: Angley, Applen, Barkevicius, Campbell, Casmier-Paz, Cato, Dombrowski, Fiamma, Gleyzon, Grajeda, Hasanat, Hohenleitner, Hubbard, Jardaneh, A. Jones, D. Jones, Kamrath, Kesler, Lillios, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Nwakanma, Oliver, Poesant, Pugh, Rodriguez-Milanes, Roney, Rushin, Schell, Seidel, Stap, Teple, Thaxton, Trouard, Utich, Young; Professors Emeriti: Adicks, Barnes, Omans, Schiffrin

The Department of English is responsible for the effective teaching of language and literature in English, including World Literature, Linguistics, rhetoric, and creative, expository, and technical writing. Students may concentrate in creative writing, technical communication, or literature. The Department serves the broad needs of the University with course offerings in writing and literature for students from other departments. The department has a Technical Documentation Writing Lab and also publishes The Florida Review, The Cypress Dome, and The Faulkner Journal. An Honors in English program provides an enriched course of study for exceptional 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, Florida Studies, 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, Beiler, Cassanello, Clark, Crepeau, Dandrow, Darty, Fariess, Fernandez, Foster, French, Gannon, Gordon, Herlihy, Kallina, Larson, Lester, Lindsay, Long, Lyons, Martinez-Fernandez, Murphree, Nair, O’Shea, Ozoglu, 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, Florida Studies, Judaic Studies, Middle Eastern Studies, and Latin American, Caribbean and Latino Studies.

Degrees: History (BA, MA, Accelerated MA)
Tracks: None
Minors: Diplomacy, Florida Studies, History, Middle Eastern Studies, Russian Studies

Judaic Studies: Program
Program Director: Moshe Pelli
CNH 415 E-J; 407-823-5339 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: Consuelo Stebbins
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 includ-
Middle Eastern Studies: Program

Program Director: Hakam Ozoglu
CNH 551; 407-823-2225
Email: hakam@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

Interim Chair: Humberto Lopez
CNH 523; 407-823-2472
Email: filacult@ucf.edu
http://mll.cah.ucf.edu/

Faculty: Alarcon-Negy, Barone, Bauer, Fabery, Fernández-Rubiera, Felse, García, Gitner, Giordano, Korosy, Kourouva, Leticie, Lopez, Ludwig, Mazzucchelli, Mihai, Montalvo, Naibone, Pomerleau, Prucha, Purnensky, Redmond, Spina, Stebbins, Tartt, Trinquet, Villanueva-Ghelfa, Villegas, Vitanova-Haral; Professor Emeriti: Barsch, Del-Rio, Micarelli

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: Michael Strawser
PSY 220; 407-823-2273
Email: philosophy2@ucf.edu
http://www.philosophy.cah.ucf.edu

Faculty: Cash, Coverston, DiBernardo, Evans, Fiore, Gleig, Janz, Jones, Kassim, Kuang, Maiale, Park, Schippert, Stanlick, Strawser; Faculty Emeriti: Congdon, Flick

The Department of Philosophy offers a Philosophy major, a Religion and Cultural Studies major, and a Humanities and Cultural Studies major, as well as minors in Philosophy, Humanities and Cultural Studies, 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 and Cultural Studies (BA)
Tracks: None
Minors: Cognitive Sciences; Humanities and Cultural Studies; Philosophy; Religion and Cultural Studies

College of Arts and Humanities

ing, 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

Department of Writing and Rhetoric

Chair: Elizabeth Wardle
CNH 307I; 407-823-2295
Email: writingandrhetoric@ucf.edu
http://writingandrhetoric.cah.ucf.edu/

Faculty: Barnickel, Bell, Bowdon, Bryan, Calkins, Cavanagh, Ethridge, Gailbreath, Gomrad, Guenzel, Hall, Henken, Hepner, Holic, Ives, Kyle, Launder, Marinara, Martin, Owens, Pigg, Richardson, Ringfield, Rios, Roonzen, Rounsaville, Scheil, Schulz, Scott, Stack, Taylor, Tripp, Vie, Walls, Wardle, Weaver, Wolcott, Wright, Zemlanski

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 digital and civic 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 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), Writing and Rhetoric (BA)
Tracks: None
Minors: Writing and Rhetoric, Certificates: Public and Professional Writing, Professional Writing (Graduate certificate)

School of Performing Arts

Director: Jeffrey Moore

Music:

Chair: John C. Bersia; Janan Smither
CNH 301; 407-823-2269; Fax: 407-823-3378
Email: ucfmusic@ucf.edu
http://www.music.cah.ucf.edu/


The Music unit 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 MENC 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: Elizabeth Wardle
CNH 301; 407-823-2295
Email: theatre@ucf.edu
http://www.theatre.cah.ucf.edu/

Faculty: Boyd, Brotherton, Brown, Chilcurel, Harris, Heil, Helsinger, Ingram, Lartonoix, Listengarten, McDonald, Niess, Routhier, Rusnock, Scott, Shafer, Siegfried, Snyder, St. Claire, Tan, Tollefson, Weaver, Wood; Professor Emeritus: Stay, Smith

The Theatre unit 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
The School of Visual Arts and Design (SVAD) is a combination of the Architecture, Fine Arts, Film-Cinema Studies, Studio Art, and Film programs. Topics covered by SVAD degrees include traditional studio arts, design, and art history; emerging media concepts that are the foundation of animation, game and interactive design; and film programs that develop a student's creative voice, appreciation and understanding of the medium. Art degrees offer studies in traditional forms of painting, drawing, photography, and ceramics and supply core skills necessary to pursue professional careers in both emerging media and the fine arts. Film degrees explore entrepreneurial filmmaking and the use of new production and distribution technology, as well as film theory, criticism, and history. This curriculum prepares the student for work in the industry or for graduate study. Digital Media degrees explore creative expression through digital media platforms such as video games and the World Wide Web, interactive design and programming, narrative techniques for digital storytelling, and new media business models. Students acquire a highly marketable body of knowledge leading to solid careers in industry or in creative research.

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 Art 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: BFA, Musical Theatre; MFA, Acting, Theatre for Young Audiences
Minors: Dance, Theatre

School of Visual Arts and Design
Director: Byron Clercx
VAB 117; 407-823-2676
Email: svadadvising@ucf.edu
http://svad.cah.ucf.edu/


The School of Visual Arts and Design (SVAD) is a combination of the Art, Architecture, Digital Media, and Film programs. Topics covered by SVAD degrees include traditional studio arts, design, and art history; emerging media concepts that are the foundation of animation, game and interactive design; and film programs that develop a student's creative voice, appreciation and understanding of the medium. Art degrees offer studies in traditional forms of painting, drawing, photography, and ceramics and supply core skills necessary to pursue professional careers in both emerging media and the fine arts. Film degrees explore entrepreneurial filmmaking and the use of new production and distribution technology, as well as film theory, criticism, and history. This curriculum prepares the student for work in the industry or for graduate study. Digital Media degrees explore creative expression through digital media platforms such as video games and the World Wide Web, interactive design and programming, narrative techniques for digital storytelling, and new media business models. Students acquire a highly marketable body of knowledge leading to solid careers in industry or in creative research.

The Art BFA – Emerging Media Track – Character Animation Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term.

The Art BFA – Emerging Media Track – Graphic Design Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term.

The Film BFA is a limited access program that requires an application and creative portfolio and is usually submitted in December each year for admission in the following fall term.

While the Art BA – Studio Track, Art BFA – Studio Track, and Art BFA – Emerging Media Track – Experimental Animation specialization programs are not limited access, many of the required upper-level courses require the completion of a student portfolio that is usually submitted near the beginning of a student’s Junior year.

The Architecture BD program is offered at UCF at the Valencia West Campus.

The Photography BS program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the main UCF Orlando campus as part of the Art BA – Studio Track and Art BFA – Studio Track degree programs.

Complete information about faculty, curriculum, and admission requirements is available on the School of Visual Arts and Design website (see above). Students should pay close attention to program admission requirements and periodically check with School advisors and the SVAD website.

Degrees: Architecture (BD), Art (BA, BFA), Digital Media (BA, MA), Emerging Media (MFA), Film (BA, BFA, MFA), Photography (BS)
Tracks: Art History, Cinema Studies, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design
Minors: Art History, Community Arts – PAVE, Digital Media, Film-Cinema Studies, Studio Art

Women’s Studies: Program
Program Director: M.C. Santana
CNH 122; 407-823-6502
Email: womenst@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 and Gender Studies
Certificate: Gender Studies

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Business Administration
Dean: Paul Jarley
BA1 230; 407-823-2181
http://business.ucf.edu

Associate Dean: Foard Jones
BA1 230; 407-823-2181

Associate Dean: E. Taylor Ellis
BA2 302-J; 407-823-2187

Assistant Dean: Lynn Becker
BA1 101; 407-823-3493

Vision
#UCFBusiness will continue the transformation into a next-generation business school through the development of a unique college culture; one that promotes engagement, risk-taking, cross-disciplinary collaboration and data-driven decision making.

Moving Forward
While core business curriculum remains unchanged, the world of business is constantly changing, as is the way students learn and receive information.

The foundation of the College of Business Administration’s mission and vision are to strengthen the college, the university, and ultimately, the Central Florida community. This is achieved by focusing on critical factors in higher education: students, faculty, programs and facilities. As such, the college aspires to:

- Offer the benefits of a large, metropolitan research university while providing individual attention and maintaining a sense of community for our students and faculty.
- Create a state-of-the-art educational facility that cultivates a learning environment, promoting collaboration, engagement, risk taking and data-driven decision making.
- Provide increased opportunities for student engagement and one-on-one learning.
- Cultivate an ecosystem that develops entrepreneurs from all backgrounds and skill sets.
- Raise the academic profile of the college by recruiting research faculty in key disciplines and by incorporating top industry executives into the curriculum.

The college will elevate the career prospects of students as well as the perceptions of graduates in the community, by ensuring students are career-ready upon graduation by providing experiential learning and developmental feedback. In addition, the college strongly encourages students to explore possible careers through mentoring, summer employment and job shadowing.

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

Pre-Major
Admission to the University of Central Florida does not imply admission to the College of Business Administration (CBA). We are a selective admission college. You must qualify to be admitted into the college and therefore all students enter the university as a ‘pre’ business major. This applies regardless of the specific business major a student intends to pursue. As a ‘pre’ major, students will:

1. Complete the General Education Program
2. Complete the Gordon Rule requirements
3. Complete the Business Common Program Prerequisites (CPP) with a grade of C or better. The CPP classes are:
   - MAC 1105: College Algebra
   - ACG 2021: Financial Accounting
   - ACG 2071: Managerial Accounting
   - ECO 2013: Macroeconomics
   - ECO 2023: Microeconomics
   - ECO 3401: Quantitative Business Tools I, or STA 2023 Statistics and MAC 2233 Concepts of Calculus
   - CGS 2100: Computer Fundamentals for Business
4. Complete the Primary Business Core. The Primary Business Core classes are:
   - MAN 3025: Management of Organizations
   - MAR 3023: Marketing
   - FIN 3403: Finance
   - ECO 3411: Quantitative Business Tools II
   - ACG 3173: Accounting for Decision Makers
   Or if pre-accounting ACG 3131 Intermediate Accounting I
5. Complete GEB 3003: Career Research and Planning
The Business Common Program Prerequisites are required curriculum for all students within the Florida State University system pursuing a BSBA degree.

The Primary Business Core classes are the heart of the business world. As such they provide students with the basics to be successful in any business endeavor. It is important that students strive to thoroughly learn the material in this coursework as academic performance in the Primary Business Core is used to meet admission to the major standards.

The GEB 3003 Career Research and Planning class is designed to help students align their major and career interest. In this class students take self-assessments to identify career-related skills and interests. Based on the results, students perform research to identify and learn about a target career, target company(ies), and target entry-level jobs.

All of the above requirements (numbers 1-5) must be completed before beginning any Business Major.

How to Select Your Major

Now you are ready to select a business major based upon your interests and skills identified in the GEB 3003 class, and your experiences in all of the Primary Business Core classes.

Due to the highly specialized nature of the revised Accounting, Finance, Management, and Marketing majors, interested candidates must show mastery of the subject matter in all aspects of the Primary Business Core, as demonstrated by a 3.0 GPA in the five classes. Additionally, a grade of at least a B “3.0” is required in the introductory course of your desired major and a minimum grade of C “2.0” is required in all business classes within the program. Upon admission into the Accounting, Finance, Management, and Marketing majors, students must maintain a minimum 2.75 GPA in the Major and a minimum 2.0 GPA in the College to successfully complete the degree.

All students, upon successful completion of the Primary Business Core classes with a minimum GPA of 2.0 are eligible to enter the Economics, Real Estate and Integrated Business majors. Upon admission into the Economics, Real Estate, and Integrated Business majors, students must maintain a minimum 2.0 GPA in the Major and College to successfully complete the degree. For more information on these requirements, visit: http://business.ucf.edu/degree/bachelors-sciences-business-administration/accounting/

In addition to completing the requirements for their major, students must also complete the Secondary Business Core and the remaining three courses in the Professional Development Sequence.

1. The Secondary Business Core: These courses are designed to ensure that you have a solid understanding of the various functions of business and the environment in which the enterprise operates. The Secondary Business Core culminates with our “Great Case Competition” which is part of our Strategic Management Course (MAN 4720) and has become a signature experience for all business students:
   a. GEB 3375: Introduction to International Business (3 credit hours)
   b. BUL 3130: The Legal and Ethical Environments of Business (3 credit hours)
   c. MAR 3203: Supply Chain Management (3 credit hours)
   d. MAN 4720: Strategic Management/Casestone (3 credit hours)

2. The Professional Development Sequence: Students must also complete the professional development sequence that began with GEB 3003. The goal of the Professional Development curriculum is that students will research potential career opportunities and take steps to secure employment prior to graduation.
   a. GEB 3005 Career Search Strategies
   b. GEB 4223 Business Interviewing Techniques
   c. GEB 4004 Executing Your Career Plan

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 State colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission to the Primary Core Classes.

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. It is expected that all incoming transfer students, regardless of intended business major, will upon admission to the university have successfully completed the General Education Program and the Business Common Program prerequisites. Transfer students will attend an orientation session that will provide information regarding university and college policy, program requirements, and college culture.

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. General Education coursework is evaluated for equivalency by Academic Services, while the Business Common Program Prerequisites and all business coursework is evaluated for equivalency by the College. 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/state 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

Office of Professional Development

Assistant Dean: Lynn Becker
BAZ 101; 407-823-3493

The Office of Professional Development (OPD) is the primary office for undergraduate assistance in Career Counseling in the College of Business Administration. Any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Professional Development staff in BAZ 101 or by calling 407-823-2185. Visit OPD’s home page at: http://business.ucf.edu/centers-institutes/office-of-professional-development/.

Programs and Degrees

Title | Degree
--- | ---
Accounting | BSBA, MSA
Business Administration | MBA, Ph.D.
Economics | BS, BSBA
Finance | BSBA
Integrated Business | BSBA
Management | BSBA, MSM
Human Resource Management | MSM
Business Analytics | MSM
Marketing | BSBA
Real Estate | BSBA, MSRE
Departments and Programs
Kenneth G. Dixon School of Accounting

Director: Sean Robb
BA1 325D; 407-823-2871

Assistant to Director: M. Hampton
BA1 326; 407-823-5678

Faculty: Allen, Amoruso, Arnold, Baudot, Demek, Dennis, Durham, Goldwater, Guerra, Hampton, Hornik, Kelliher, Reinking, Robb, Roberts, Rosenthal, Roush, Smith, Sutton, Trompeter, Wallace, York, 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.
- Numerous 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 our accounting programs.
- Outstanding pass rates on the CPA exam.

Degrees: Accounting (BSBA, MSA, Ph.D.)

Minors: Accounting (for Finance majors only)

Department of Economics
Chair: M. Dickie
BA2 305-D; 407-823-3266;
Email: economics@ucf.edu

Faculty: Aysun, Braun, Buhagiar, Caputo, Das, Dickie, Gibbs, Guldi, Hoffer, Milon, Schmidbauer, Scrogin, Soskin, Underwood

Faculty Advisors:
David Scrogin
BA2 302U, 407-823-4129, Email: David.Scrogin@ucf.edu;
M. Caputo
BA2 302Q, 407-823-1405
N. Underwood
BA2 302N; 407-823-1403

Economic issues are prominent in business and government decision-making. Inflation, employment, health care, economic growth, pollution, poverty, and international economic relations are few important economic issues. The primary strength of Economics is that it provides a logical, ordered way of analyzing a wide variety of problems. Undergraduate education in Economics equips individuals to understand and seek solutions to problems in business, public policy, and other areas.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BS 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 BS Program is to provide a broad-based liberal education 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 provide the analytical skills that will allow solve problems.

Distinctive Benefits
- Opportunity for strong quantitative and analytical training.
- Excellent preparation for law school and graduate school admission.
- Strong preparation for high-paying careers.
- 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.
- Student Organizations: The Economics Club is an active student organization linking students to Alumni.

Degrees: Business Economics (BSBA), Economics (BS)

Minors: Economics

Department of Finance and Dr. P. Phillips School of Real Estate
Interim Chair and Director: P. Gregg
BA 409; 407-823-3575

Faculty: Ajayi, Borde, Byrd, Chen, Choi, Cucio, Frye, Gatchev, Gilkeson, Gregg, Ramanial, Smith, Strum, Turnbull, Whyte

The program in finance is designed to provide the student with broad knowledge in finance, including corporate finance, investments (fixed income and equity securities), financial institutions, international finance, risk management and derivatives. The real estate degree includes real estate law, commercial and residential real estate finance, and real estate development.

Distinctive Benefits
- Finance students prepare for career opportunities in corporate finance, banking (commercial, investment and mortgage), investment management, financial planning, multinational business, insurance and government.
- Real estate students prepare for careers in commercial or residential real estate development and finance, or banking related to the real estate industry.
- Students who major in finance or real estate are sought by both financial and non-financial firms.

Degrees: Finance (BSBA), Real Estate (BSBA)

Minors: International Business, Real Estate, Finance

Certificates: Banking, Investments, Corporate Finance, Land Development, Commercial and Institutional Real Estate, Residential Real Estate

Department of Management
Chair: Stephen Goodman
BA 309; 407-823-5569

Faculty: Ambrose, Baz, Becker, Blencoe, Boettcher, Cleavenger, Combs, Connell, Crossley, Dagher, De George, Folger, Ford, Goodman, Harris, Holland, Jarley, Jones, Kulkut, Leo, McKenny, Nichols, O’Donnell, O’Neal, Porter, Quinn, Rains, Rockmore, Saunders, Schminke, Taylor, Viggiano, Wang, Whiting

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 to develop the expertise of all students in a common core of essential management skills and competencies, including human and organizational behavior, teamwork and collaboration, negotiation and conflict resolution, and leadership development. With the proper selection of restricted elective courses available for Management majors, students can gain additional concentration in the area of human resource management, or in the area of entrepreneurship. Students who do not wish to concentrate in these areas can use those restricted electives to gain additional breadth of coverage in a variety of Management topics.

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. Regardless of a student’s focus, the curriculum will sharpen that student’s skills in problem identification, analysis, and solution. This major can lead to a variety of rewarding careers in management positions throughout the organization. Possible career paths include, but are not limited to, positions in training and development, personnel and employee relations, equal opportunity and labor relations, recruiting and staffing, organizational development, operations, quality assurance, project management. For students interested in starting their own business or working for smaller fast growing organizations, the department’s entrepreneurship offerings will develop the skills needed for that career path.
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 Management (MS)
Certificate: Entrepreneurship

Department of Marketing
Chair: Ronald E. Michaels
BA2 307; 407-823-2108
http://www.bus.ucf.edu/marketing/

Faculty: Bhardwaj, Desiraju, Gundy, He, Joshi, Krishnamoorthy, Leon, Liu, Mao, Massiah, Mayfield-Garcia, Michaels, Quaintance, Steiger, Stock, Tafaghodijami, Valdez, Wang, Zemack-Rugar

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 strategic thinking. Among the things you will learn are how to conduct sales calls, analyze sales and profit reports, prepare marketing plans, and construct marketing strategies. Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, and positions in retail management, sales, market research, and advertising/promotion. The professional selling track prepares students for positions in business-to-business, with the potential to advance into either sales management or marketing management. The curriculum is delivered by highly-talented faculty members and offers you a superior educational experience while at UCF.

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 18 hours. This course of study provides a strong basic education in marketing for UCF students with majors other than marketing. 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.
- An 18-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: Marketing Management, Professional Selling
Minor: Marketing
Certificates: Professional Selling and Sales Management (for business majors other than marketing)

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Education and Human Performance

Dean: Pamela S. Carroll
ED 308; 407-823-5529
http://education.ucf.edu

Interim Associate Dean for Academic Affairs:
Rose Taylor, 407-823-2016
Assistant Dean for Administrative and Financial Affairs:
Allison Jefferson, 407-823-2835
Interim Executive Director for Research:
J. Thomas Owens, 407-823-0385
Executive Director, Undergraduate Affairs and Partnerships:
Bryan Zugelder, 407-823-3723

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 fourteen 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
- Living, Learning Communities
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Teacher Recruitment and Retention Program
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- ESOL Endorsement and Reading Endorsement included with selected teacher preparation programs
- 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 the GKT.
- Complete the Education and Human Performance Common Program Prerequisites for their major.
- 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 pending 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 required to pay careful attention to the General Education 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 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
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

Assistant Director: 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 site-based 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 the published deadlines.
- Meet any special departmental or program requirements.
- Be recommended by the faculty of the department of the student’s major.

NOTE: Passing scores on all sections [General Knowledge Test, Professional, and Subject Area] of the Florida Teacher Certification Examination (FTCE) is required prior to entry into 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 sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional and Subject Area)
- Possess a minimum overall GPA of 2.5
- Possess minimum professional preparation GPA of 2.5*
- Possess minimum specialization GPA of 2.5*
- Achieve a “C-” (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas.
- 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

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 teaching 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 joining the teaching profession
- Promote academic excellence and foster professional development
- Provide service learning opportunities
- Encourage community engagement

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.

Note: Effective January 1, 2015, only FTCE examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

Professional Development School Consortium

Executive Director: Bryan Zugelder
ED 110; 407-823-3723

The Professional Development School Consortium is a network of the university and local schools, and is based on the National Association for Professional Development School standards. National, award-winning PDS school efforts demonstrate impact on pre-service and in-service initiatives.

Department of Child, Family, and Community Sciences

Chair: Glenn Lambie
ED 209-E; 407-823-6579
Faculty/Academic Administrator: Brenda Thompson
ED 206-E; 407-823-6579

The Department of Child, Family, and Community Sciences (CFCS) offers both undergraduate and graduate programs related to careers in school settings and community agencies. The programs offered include: Career and Technical Education; Counselor Education & School Counseling Psychology; Exceptional Student Education; and Higher Education & Policy Studies.

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/cfcs/

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=Department of Educational and Human Sciences


The Department of Educational and Human Sciences (EHS) offers 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 specialize in 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; 407-823-1768
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, in the areas of Elementary Education (including Early Childhood Development and Education*), Secondary Education and Educational Leadership. The Elementary Education program has a track designed for prospective teachers interested in working with students in formal K-6 schools that require certification (Education Track) and another track for students interested in working outside of formal K-6 schools that do not require certification (Lifelong Learning Track). Upon completion of the Elementary Education – Education Track, 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, either in formal 6-12 schools that require certification (Education Track) or outside formal K-12 schools that do not require certification (Lifelong Learning Track). 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 that 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/academiclearningcompacts.html
College of Engineering and Computer Science

Dean: Michael Georgiopoulos
HEC 114; 407-823-2156
http://www.cecs.ucf.edu

Associate Dean for Academic Affairs: Charles Reilly
ENG 107; 407-823-2455

Associate Dean for Research and Administration:
Ranganathan Kumar; ENG 202; 407-823-2156

Director, Academic Affairs: Kim A. Small
ENG 107; 407-823-2455

Director, College Honors Programs: Charles Reilly
ENG 107; 407-823-2455

Director, Diversity and Inclusion: Ola Nnadi
ENG 281; 407-823-3466

Undergraduate Majors and Degrees

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

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, Electrical Engineering, 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.

College Vision

Our Vision is to be recognized as one of the premier Colleges of Engineering and Computer Science locally, nationally, and internationally. While we are aware of the need to maintain our fundamental capabilities, we will pursue new opportunities in teaching, research, and outreach by leveraging UCF’s strengths in innovative partnerships, effective interdisciplinary research, and a commitment to excellence, inclusiveness, and diversity.
The Honors Program in the College of Engineering and Computer Science

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students comprise academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists and the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, as well as visits to local and regional industries and to governmental and military research facilities.

There are two programs available to eligible CECS students: 1) the University Honors Program (see the section on the University Honors Program found in The Burnett Honors College section of this catalog); and 2) the Honors in the Major Program (HIM).

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and who desire to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors Seminar (EGN 4931H) (three credit hours), plus two 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 of 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 the listing for that department on the following pages of this catalog. Information on the Photonics Science and Engineering program offered jointly with the College of Optics and Photonics may be found in the section about that college.

Department of Civil, Environmental, and Construction Engineering

Chair: Mohamed Abdel-Aty
ENG 211: 407-823-2841
http://www.cece.ucf.edu

Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Duranceau, Eluru, Filler, Kibler, Lee, Mackie, Makris, Nam, Nnadi, Olufa, O’Riordan-Adjah, Radwan, Randall, Reinhart, Singh, Tatari, Wang, Whittaker, Yun, Zaurin

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnV), and Construction Engineering (BSCOnE).

The Civil Engineering Program

The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a Project Design and Capstone Course, which synthesizes various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The prerequisites needed for the various project courses vary.

Mission

The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. Attain prominence in key areas of Civil Engineering graduate education and research.

Program Educational Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Student Outcomes

a. An ability to apply knowledge of mathematics, science, and engineering.

b. An ability to design and conduct experiments, as well as to analyze data and interpret data.

c. 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.
d. An ability to function on multidisciplinary teams.

e. An ability to identify, formulate, and solve engineering problems.

f. An understanding of professional and ethical responsibility.

g. An ability to communicate effectively.

h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

i. A recognition of the need for, and an ability to engage in life-long learning.

j. A knowledge of contemporary issues.

k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The Construction Engineering Program

The Construction Engineering major is concerned primarily with the interactions with humans and their environment and the planning, design, and control of systems for environmental quality management for water, land, and air environments.

Environmental Engineering students are required to take a Project Design and Capstone Course which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Environmental Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.

2. Promote a commitment to continued scholarship and service among our graduates.

3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.

4. Promote an environment that is inclusive and diverse.

5. To attain prominence in key areas of Environmental Engineering graduate education and research.

Program Educational Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in environmental engineering practice in areas such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields and/or be continuing their studies at the graduate level.

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

Student Outcomes

a. An ability to apply knowledge of mathematics, science, and engineering.

b. An ability to design and conduct experiments, as well as to analyze and interpret data.

c. 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.

d. An ability to function on multidisciplinary teams.

e. An ability to identify, formulate, and solve engineering problems.

f. An understanding of professional and ethical responsibility.

g. An ability to communicate effectively.

h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

i. A recognition of the need for, and an ability to engage in life-long learning.

j. A knowledge of contemporary issues.

k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The Construction Engineering Program

The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Construction Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.

2. Promote a commitment to continued scholarship and service among our graduates.

3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.

4. Promote an environment that is inclusive and diverse.

5. To attain prominence in key areas of Construction Engineering graduate education and research.

Program 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.

Student Outcomes

a. An ability to apply knowledge of mathematics, science, and engineering.

b. An ability to design and conduct experiments, as well as to analyze and interpret data.

c. 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.

d. An ability to function on multidisciplinary teams.

e. An ability to identify, formulate, and solve engineering problems.

f. An understanding of professional and ethical responsibility.

g. An ability to communicate effectively.

h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

i. A recognition of the need for, and an ability to engage in life-long learning.

j. A knowledge of contemporary issues.

k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The Construction Engineering Program

The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Construction Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.

2. Promote a commitment to continued scholarship and service among our graduates.

3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.

4. Promote an environment that is inclusive and diverse.

5. To attain prominence in key areas of Construction Engineering graduate education and research.

Program 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.

Student Outcomes

a. An ability to apply knowledge of mathematics, science, and engineering.

b. An ability to design and conduct experiments, as well as to analyze and interpret data.

c. 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.

d. An ability to function on multidisciplinary teams.

e. An ability to identify, formulate, and solve engineering problems.

f. An understanding of professional and ethical responsibility.

g. An ability to communicate effectively.

h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

i. A recognition of the need for, and an ability to engage in life-long learning.

j. A knowledge of contemporary issues.

k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The Construction Engineering Program

The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Construction Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.

2. Promote a commitment to continued scholarship and service among our graduates.

3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.

4. Promote an environment that is inclusive and diverse.

5. To attain prominence in key areas of Construction Engineering graduate education and research.

Program 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.

Student Outcomes

a. An ability to apply knowledge of mathematics, science, and engineering.

b. An ability to design and conduct experiments, as well as to analyze and interpret data.

c. 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.

d. An ability to function on multidisciplinary teams.

e. An ability to identify, formulate, and solve engineering problems.

f. An understanding of professional and ethical responsibility.

g. An ability to communicate effectively.

h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

i. A recognition of the need for, and an ability to engage in life-long learning.

j. A knowledge of contemporary issues.

k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
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: A Biological Science (3hrs), CHM 2046C (3hrs), CHM 2046L (1hr), ENV 4120 (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (3hrs), and an Environmental Design course (3hrs). Students will have completed an Earth Science as part of the GEP requirements and CHM 2045C, CWR 4633C, and ENV 4561 as part of Civil Engineering requirements.

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), and 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 26 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), CGN 3700C (4hrs), TTE 3810 (3hrs), CES 4100C (4hrs), CES 4605C (3hrs), CES 4702 (3hrs), CEG 4012 or TTE 4274 (3hrs), and a Civil Design course (3hrs). Students will have completed CWR 4633C and ENV 4561 as part of the Environmental Engineering requirements.

**Department of Electrical Engineering and Computer Science**

**Computer Science Division**

Chair: Gary T. Leavens  
HEC 437D; 407-823-5373

Faculty: Abdallah, Angel, Bassiousi, Boloni, Chatterjee, da Vitoria Lobo, Dechev, Deo, Forooosh, Glinos, Gonzalez, A.Guha, R. Guha, Heinrich, Hu, Hua, Hughes, Jha, Lang, LaViola, Leavens, Llewellyn, Mironescu, Montag, Nedorost, Orooji, Patranaik, Qi, Shah, Stanley, Sukthankar, Turgut, Wocjan, A. Wu, Zhang, Zou

**The Computer Science Program**

The Computer Science (CS) 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 to the bachelor's degree programs, the division offers minors in Computer Science, Information Technology, and Secure Computing and Networks.

The goal of the CS degree program is to educate students to become effective team members and leaders, to have excellent communications and technical skills, and to prepare them for successful professional careers and advanced research. The program strives to achieve these goals by producing graduates with a broad base of formal coursework. Students may use restricted elective credit to concentrate their degree in one of many research areas, including artificial intelligence, bioinformatics and systems biology, computer architecture, computer graphics, computer security, computer vision, database systems, design and analysis of algorithms, distributed and cloud computing, evolutionary computing, graph theory, human-computer interaction, image and video processing, machine learning, mixed and virtual reality, multi-agent systems, networking and mobile computing, neural networks, operating systems, parallel computation, software engineering, theory of computing, quantum computing, and virtual reality.

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. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the Computer Science home page at [http://www.cs.ucf.edu/](http://www.cs.ucf.edu/).
Program 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 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.

Student Outcomes
By graduation each student should be able to:
a. Apply knowledge of computing and mathematics appropriate to the discipline.
b. Analyze a problem, and identify and define the computing requirements appropriate to its solution.
c. Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
d. Function effectively on teams to accomplish a common goal.
e. Understand professional, ethical, legal, security and social issues and responsibilities.
f. Communicate effectively with a range of audiences.
g. Analyze the local and global impact of computing on individuals, organizations, and society.
h. Recognize the need for and an ability to engage in continuing professional development.
i. Use current techniques, skills, and tools necessary for computing practice.
j. Use and apply current technical concepts and practices in the core information technologies.
k. Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
l. Integrate IT-based solutions effectively into the user environment.
m. Understand best practices and standards and their application.
n. Assist in the creation of an effective project plan.

Electrical and Computer Engineering Division
Chair: Zhihua Qu
HEC 439C; 407-823-5942
Faculty: Abdolvand, Abichar, Atia, Batarseh, Behal, Chan, DeMara, Edison, Elashhab, Fahim, Georgopoulos, Gong, Haralambous, Jin, Jones, Lin, Liu, Malocha, Mikhail, Qu, Rahnava, Richke, Sinsan, 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).

Program Educational Objectives
The objectives of the EE Program at UCF are that:
1. Graduates will establish a successful employment position with increasing responsibilities in the areas of electrical engineering.
2. Graduates will pursue advanced studies in the areas of electrical engineering.
3. Graduates will demonstrate the pursuit of life-long learning in their areas of interest, including membership in professional societies, and participating in training opportunities.

Student Outcomes
Graduates of the Computer Engineering program should attain:
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. 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.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.

The Electrical Engineering Program
The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and EEE 4097C), Digital Signal Processing (EEE 4758), Analog and Digital Communication Fundamentals (EEE 3557C), Embedded Systems (EEE 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/energy electronics.

Mission
The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, implementation, and improvement of computer hardware, software, and systems.

Program Educational Objectives
The objectives of the CpE Program at UCF are that:
1. Graduates will establish a successful employment position with increasing responsibilities in the areas of computer engineering.
2. Graduates will pursue advanced studies in the areas of computer engineering.
3. Graduates will demonstrate the pursuit of life-long learning in their areas of interest, including membership in professional societies, and participating in training opportunities.

Student Outcomes
Graduates of the Computer Engineering program should attain:
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. 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.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

i. A recognition of the need for, and an ability to engage in life-long learning.

j. A knowledge of contemporary issues.

k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The mission statement and objectives for the Computer Engineering and Electrical Engineering programs are electronically posted and continuously updated. More information on the Computer and Electrical Engineering programs can be found on the home page at http://www.ece.ucf.edu.

**Department of Electrical Engineering and Computer Science Policies and Procedures**

The Department’s website (http://www.eecs.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send email and letters, or make phone calls to faculty members and administrators.

**Department of Industrial Engineering and Management Systems**

*Chair: Waldemar Karwowski*

ENG2 312; 407-823-2204; Fax: 407-823-3413

*Faculty: Biehl, Calabrese, Elshennawy, Hoekstra, Karwowski, Kotnour, Lee, McCauley, Mallaghsemi, Proctor, Rabelo, Reilly, Thomp-son, Xanthopoulos, Zheng*

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 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 assume challenging careers 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 fundamental knowledge of management and interpersonal skills, and ability to professionally grow and develop their careers.

3. To provide society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

**Program Educational Objectives**

Within the first several years following graduation, Graduates should:

1. Be successfully employed in challenging or satisfying positions in the public or private sector.

2. Achieve professional growth through participation in advanced studies at the graduate level and/or career development activities.

3. Show a commitment to industrial engineering as a global service profession and practice with integrity, honesty, and objectivity.

**Student Outcomes**

a. Students will have an ability to apply knowledge of mathematics, science, and engineering.

b. Students will have an ability to design and conduct experiments, as well as to analyze and interpret data.

c. Students will have 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.

d. Students will have an ability to function on multidisciplinary teams.

e. Students will have an ability to identify, formulate and solve engineering problems.

f. Students will have an understanding of professional and ethical responsibility.

g. Students will have an ability to communicate effectively.

h. Students will have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.

i. Students will have a recognition of the need for, and an ability to engage in life-long learning.

j. Students will have a knowledge of contemporary issues.

k. Students will have an ability to use the techniques, skills and modern engineering tools necessary for engineering practice.


**Department of Materials Science and Engineering**

*Interim Chair: Sudipta Seal*

ENG1 207; 407-882-1455; Fax: 407-882-1462

*Faculty: An, Coffey, Fang, Seal, Sohn, Vaidyanathan*

The Department of Materials Science and Engineering currently offers undergraduate materials science and engineering courses for students in Mechanical and Aerospace Engineering programs. The department houses 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. Materials Science and Engineering provides a broadly-based foundation in nano/microstructure, processing and manufacturing, characterization and properties 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” the 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:**

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.
College of Engineering and Computer Science

Focus 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: Yoav Peles
ENG1 307; 407-823-2416; Fax: 407-823-0208

Faculty: Ahmed, Bai, Bhavsar, Chalapalli, Ch., Chen, Cho, Chow, Das, Deng, Gordon, Ou, Ilegbusi, Kapat, Karl, Kassab, Kaufman, Kumar, Li, Lin, Liu, Mansy, Minardi, Mosleh, Orlovskaya, Peles, Putnam, Raghavan, Steward, Tian, Vasu, Xu

The Department of Mechanical and Aerospace Engineering offers undergraduate degree programs in Aerospace Engineering and Mechanical 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 mechanical systems and thermos-fluids, including topics such as structures and properties of materials, solid mechanics, dynamics and controls, vibrations, CAD/CAM/FE, fluid mechanics, and heat transfer. 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 design optimization which 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, the mission of the Aerospace Engineering program is to provide the highest quality engineering education through cooperative efforts with regional aerospace industry and to propagate methods for the design, analysis, and implementation of the principles and practices particular to the aerospace engineering field. Our graduates will be trained to be competitive in their role as aerospace engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be supplied with skills necessary to achieve life-long learning and to pursue their personal and professional development upon completing the program. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Program Educational Objectives
1. Graduates will meet the expectations of employers of aerospace engineers.
2. Graduates will undertake leadership roles in their communities and/or professions.
3. Qualified graduates will pursue advanced study, if they so desire.

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

Program Educational Objectives
1. Graduates will meet the expectations of employers of aerospace engineers.
2. Graduates will undertake leadership roles in their communities and/or professions.
3. Qualified graduates will pursue advanced study, if they so desire.

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments as well as to analyze and interpret data.
c. 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.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in, life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Mission: Mechanical Engineering
In support of the University and College, the mission of the Mechanical Engineering program is to provide the highest quality engineering education through cooperative efforts with regional industry and to propagate methods for the design, analysis, and implementation of the principles and practices particular to the mechanical engineering field. Our graduates will be trained to be competitive in their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be supplied with skills necessary to achieve life-long learning and to pursue their personal and professional development upon completing the program. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Program Educational Objectives
1. Graduates will meet the expectations of employers of mechanical engineers.
2. Graduates will undertake leadership roles in their communities and/or professions.
3. Qualified graduates will pursue advanced study, if they so desire.

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. 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.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in, life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for 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.
- 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: Design and Analysis of Machine Components. Must select 2 courses from the following 5 options: EML 3101: Thermodynamics of Mechanical Systems (3hrs) or EML 4504: Design and Analysis of Machine Components II (3hrs), or EML 4313: Intermediate Dynamics
The Professional Officer Course is designed to develop and hone skills necessary for leadership in the Air Force. It is offered by this department. AFROTC courses are listed under the Accreditation and Approval section of American Council on Education (ACE) and earn a minor in Aerospace Studies. A major is required, and students enrolled in the Air Force ROTC program may major in any field of study.

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 required, and students are not offered the same major.

Requirements for entry into the POC:
- Be at least 17 years of age at the time of entry.
- Be a U.S. citizen. Dual citizens must be willing to renounce other Non-US citizenship, if requested or if mandatory.
- If entering Flight Training, complete the POC and all degree requirements prior to reaching age 29, or
- If entering a non-flying Air Force specialty, complete the POC and all degree requirements before age 30 (waiverable to age 35).
- Pass the Air Force Officer Qualifying Test (AFOQT).
- Pass an Air Force medical examination (DoDMERB).
- Pass the Air Force Physical Fitness Assessment (PFA) and meet Air Force BMI criteria.
- Achieve a cumulative GPA of 2.5 or higher.
- Be selected by the Professor of Aerospace Studies.
- Successfully complete a summer Field Training course.
- Qualify to contract (enlist) in the United States Obligated Reserve. Section (ORS) to certify agreement to complete the POC and to accept an Air Force Commission, if offered. This contract (enlistment) is terminated upon acceptance of a commission.

Leadership Laboratory
Leadership Laboratory is a required lab that must be taken in conjunction with the academic class. Leadership Laboratory is 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.

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 at least two days each week.

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 can provide for full tuition and fees, including 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.

Monetary Allowance
All scholarship and contract cadets receive a monthly, tax-free monetary allowance (stipend) and an annual textbook allowance. The stipend amount is based on the cadet's academic classification. See http://www.afrotc.com for current rates.

Summer Training
All students must complete a 24-day summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL (usually, between the sophomore and junior years). Prior to their enrollment in the POC. This course is mandatory and requires active participation in the training to succeed.

Officer Commissioning
Students who complete the POC are appointed as Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they serve a minimum active duty tour which varies in length depending on their particular career area (typically four years). Obligations are explained by detachment officers in detail during one-on-one counseling sessions conducted with each candidate.

Army ROTC (Military Science)
Chair: LTC Mario Johnson
Classroom II/ROTC Room 321; 407-823-2430; Fax: 407-823-5324
http://army.ucf.edu
Faculty/Staff: MAJ Barajas, MSG McSwain, CPT Lehman, CPT Silva, SFC Owen, SFC Flanagan, SSG Farrell, SFC Reyes, John Gano, Kenton Stenrose, Reinaldo Morales, Lisa Brown, George Leonard, Veronica Hill, and Bettina Baca

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 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: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: http://army.ucf.edu.

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

1. Basic Military Science
   A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two-hour leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001C, MSL 1002C, MSL 2101C, MSL 2102C). Students will also participate in a Leadership Development Training Exercise (LDTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.
   B. Requisites for admission to the Basic Course:
   - Enrollment in a Baccalaureate or Master’s degree program
   - Full-time student status

2. Advanced Military Science
   A. The Advanced Military Science courses (MSL 31201C, MSL 3202C, MSL 4301C, MSL 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 desiring to enroll 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 Cadet Leaders Course at Fort Knox, Kentucky, 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 2.8 is required for STEMS and 3.2 for any other majors is required to contract as a non-scholarship cadet, and a minimum cumulative GPA of 3.0 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, 904-239-8469. 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 (Cadet Initial Entry Training)
   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 $600.00 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. Cadet Leaders Course (CLC)
   All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Knox, Kentucky, prior to receiving a commission as an Army Officer. This camp evaluates a student’s leadership performance and potential. CLC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend CLC 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/academiclearningcompacts.html
College of Health and Public Affairs

Dean: Michael L. Frumkin
HPA1 365, 407-823-0171
http://www.cohpa.ucf.edu

Associate Dean, Academic Affairs and Technology: Ross Wolf
HPA1 365; 407-823-0171

Associate Dean, Administration and Faculty Affairs: Dawn Oeljen
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

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 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 119, 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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<tbody>
<tr>
<td>Athletic Training</td>
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<tr>
<td>Communication Sciences and Disorders</td>
<td>BA, BS, MA</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
</tr>
<tr>
<td>Health Informatics and Information Management</td>
<td>BS</td>
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<td>Health Care Informatics</td>
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<tr>
<td>Health Services Administration</td>
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<td>Legal Studies</td>
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<td>Public Administration</td>
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<td>Public Affairs</td>
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<td>Physical Therapy</td>
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<td>Social Work</td>
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</tr>
<tr>
<td>Urban and Regional Planning</td>
<td>MSURP</td>
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</tbody>
</table>

UNIVERSITY OF CENTRAL FLORIDA
College of Health and Public Affairs

Department of Communication Sciences and Disorders

Chair: Richard Zraick  
HPA 101, 407-823-4798  
hhttp://www.cohta.ucf.edu/csd

Clinic Director: Debra Knox  
Research Pavilion Suite 155, 407-882-0468

Faculty: Carson, DiNapoli, Dreilinger, B. Ehren, T. Ehren, Fix, Harvey, Hoffman-Ruddy, Hostetter, Kent-Walsh, Knox, Kong, Matura, Ratusnik, Resnick, Rivers, Rosa-Lugo, Ryalls, Schwartz, Utt, Vanryckeghem, Whiteside, Zraick

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 provide the necessary background for those who seek careers in health and human services; and
3) to allow those who graduate with a Bachelor's degree required coursework to obtain licensure and employment as speech-language pathologists assistants.

The 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 program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers 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  
HPA 311 407-823-2603


The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. Criminal Justice is a problem-based field of study that 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 and private sector organizations. 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, PhD)

Tracks: Scholars Track

Minors: Criminal Justice

Program: Senior Scholar Program


Department of Health Management and Informatics

Interim Chair: Reid Oetjen  
HPA 210, 407-823-2359

Faculty: Chisholm, Cortelyou-Ward, Falen, Liu, Malvey, Noblin, D. Oetjen, R. Oetjen, Raffenaud, Ramirez, Robertson, Rotarius, Sampson, Ton, Unruh, Walden, Wan, Wessel, West

The Department of Health Management and Informatics in the College of Health and Public Affairs at the University of Central Florida is a global leader in the areas of health administration and informatics and is devoted to being the premier provider of: globally focused faculty research; quality education; and community commitment; all of which are enhanced by the diversity of its faculty, staff and students. 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 for August admission and October 1 for January admission. Graduates of the Health Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).
Department of Health Professions

Interim Chair: Kristen Schellhase
HPA2 118/119; 407-823-2214

Faculty: Angelopoulos, Gual, Hanney, Levine, Marian, Pabian, Plant, Rothchild, Rovito, Saleh, Schellhase, Schulz, Smith, Tucker, Webster, Worrell

The Department of Health Professions offers a doctoral program in Physical Therapy, a baccalaureate program in Athletic Training, a baccalaureate program in Health Sciences, and a minor in Health Sciences.

Program in Athletic Training

This is a competitive program that requires a separate application process following acceptance into the University. The program in athletic training at the University of Central Florida is a six semester program where students complete full-time coursework while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of a preceptor. These local affiliation sites include but are not limited to, high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to apply to take the Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

Degrees: Athletic Training (BS)
Tracks: None
Minors: None

Program in Health Sciences-Pre-Clinical Track

The 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 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 in professions such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

Degrees: Health Sciences (BS)
Tracks: Health Sciences and Pre-Clinical
Minors: Health Sciences

Department of Legal Studies

Chair: James Beckman
HPA1 343; 407-823-1670

Faculty: Bast, Beckman, Consolo, Cook, Fiesta, Fromang, Koblasz, Meltzer, Milton, Pons, Ravich, Schmidt, Scott, Slaught, Wood

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The Legal Studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Sciences in Legal Studies. The department houses Phi Alpha Delta (the Legal Studies professional society), the UCF Mock Trial Team and the UCF Moot Court teams.

Degrees: Legal Studies (BA, BS)
Minor: Legal Studies

School of Public Administration

Director: Mary Ann Feldheim
HPA2 238; 407-823-2604


The School of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management, urban and regional planning, emergency management and homeland security. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services through nonprofit organizations. The School prepares students for professional careers in public service at the city, county, state and federal levels in nonprofit organizations and private organizations that provide services for government. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degree in Public Administration enables students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master’s of Public Administration (MPA), the Master’s of Nonprofit Management (MNM), the Master’s of Science in Urban and Regional Planning (MSURP), or the Master’s of Research Administration (MRA). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

Degrees: Public Administration (BA, BS, MPA), Nonprofit Management (MNM), Research Administration (MRA), Urban and Regional Planning (MSURP)
Tracks: None
Minors: Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Nonprofit Management leading to National Certification by the Nonprofit Leadership Alliance

Certificates: Nonprofit Management

School of Social Work

Director: Bonnie Yegidis
HPA1 204; 407-823-2114

Faculty: Brown, Burg, Chapelle, Dillon, Dziegielewski, Gammonley, Gryglewicz, Hall, Jacinto, Kohn, Lawrence, Leon, Mann, Mazany, Molina, Steen, Wharton, Withers, Yegidis

The UCF School of Social Work BSW Program (undergraduate social work program) prepares generalist social work students to become practitioners who promote optimal well-being, human rights, and social and economic justice. The school focuses on social change from a regional and global perspective with individuals, families, groups and communities in diverse practice settings. Today social workers are continuing their efforts in healthcare facilities, mental health centers, schools, substance abuse programs, neighborhood centers, housing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives. The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

The curriculum, nationally accredited by the Council on Social Work Education, aims to graduate social work generalists who can teach people how to create their own path and enhance their quality of life. Graduates will assist people in changing patterns of behavior, poverty, abuse, and oppression and help them to develop effective coping skills for life’s challenges. The Social Work Program is a limited access program that requires a separate application to the School of Social Work.

If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

Degrees: Social Work (BSW, MSW)
Tracks: None
Minors: Aging Studies
Certificates: Aging Studies, Children’s Services

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at: http://oae.ucf.edu/academiclearningcompacts.html
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

Director, Burnett School of Biomedical Sciences: Griffith Parks
COM 313J; 407-266-1101
Associate Dean for Research (Burnett School of Biomedical Sciences): Sampath Parthasarathy
HPA2 335C; 407-823-5932

The UCF College of Medicine through its Burnett School of Biomedical Sciences (BSBS) offers the second largest undergraduate program in the university, B.S. in Biomedical Sciences, that meets the admission requirements for medical and other health professional school programs. 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 2,800 undergraduate majors in the biomedical sciences including Biomedical Sciences (also including Biomedical Sciences Pre-professional concentration), Biotechnology, and Medical Laboratory Sciences. The Biomedical Sciences BS also offers two tracks within the major: Molecular Microbiology and Molecular and Cellular Biology. 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 420 M.D. students.

In addition to multiple 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. Advising for undergraduate programs is located in HPA II room 335.

Programs and Degrees

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<td>Biomedical Sciences</td>
<td>B.S., M.S., Ph.D., Minor</td>
</tr>
<tr>
<td>Biomedical Sciences (Pre-professional Concentration)</td>
<td>B.S.</td>
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<tr>
<td>Biotechnology</td>
<td>M.S./M.B.A.</td>
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<tr>
<td>Medical Laboratory Sciences</td>
<td>B.S.</td>
</tr>
<tr>
<td>Medicine</td>
<td>M.D.</td>
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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 aspires to be the
nation’s premier 21st century college of medicine.

The UCF College of Medicine will be a national leader in education,
research, and patient care, recognized for supporting and empowering
its students and faculty to realize their passion for discovery, healing,
health, and life, and for its ability to create partnerships to transform
medical education, health care, and research.

Goals
- Excel in medical and biomedical education
- Excel in research and discovery in: biomedical sciences, medical
education, and health care
- Provide outstanding, innovative, patient-centered care while
  transforming health care delivery
- Be America’s leading partnership college of medicine
- Achieve a diversified self-sustaining infrastructure to support
  future operations

Burnett School of Biomedical Sciences

Director: Burnett School of Biomedical Sciences: Griffith Parks
HPA2 335C; 407-823-0955
Associate Director of Academic Affairs (Burnett School of Biomedical
Sciences): Roseann White
HPA2 335J; 407-823-2914
Associate Director of Facilities (Burnett School of Biomedical
Sciences): Robert Genarro
HPA2 338; 407-823-4966
Associate Dean for Research (Burnett School of Biomedical
Sciences): Sampath Parthasarathy
BBS 101G; 407-266-7119

The Burnett School of Biomedical Sciences in the Burnett School of
Medicine offers bachelor degrees in Biomedical Sciences (including
the Biomedical Sciences, Pre-professional Concentration) and
Biotechnology that prepare students for admission to health profes-
sional or graduate programs. The Burnett School of Biomedical
Sciences also offers M.S. programs in Biomedical Sciences, and
Biotechnology. Also, it offers an interdisciplinary Ph.D. program in
Biomedical 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, and the Biomolecular Science Center.

Program in Biomedical Sciences

Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5220
Graduate Coordinator (M.S. program): Saleh Naser
BMS 221; 407-823-0955
Graduate Co-Cordinator (Ph.D. Program): Saleh Naser
BMS 221; 407-823-0955
Graduate Co-Cordinator (Ph.D. Program): Steve Ebert
BBS 420; 407-266-7047

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 morpho-
logical, clinical, analytical or investigative applications. Two new tracks
were initiated this year for the Biomedical Sciences B.S.: Molecular
Microbiology and Molecular and Cellular Biology. Students are also
couraged 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, physi-
cal therapy, optometry, chiropractic and dentistry).

Degrees: Biomedical Sciences (B.S., M.S., Ph.D.)
Biomedical Sciences Pre-professional Concentration (B.S.)
Tracks: None
Minors: Biomedical Sciences

Program in Biotechnology

Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5220
Graduate Coordinator: Saleh Naser
BMS 221; 407-823-0955

To meet the demanding scientists in the biotechnology
workforce, the Burnett School of Biomedical Sciences now offers a
Bachelor of Science degree in Biotechnology. This new degree pro-
gram prepares students to function in the industrial biotechnology/
biomedical environment, providing them with more “hands on” labora-
tory experiences and opportunities for research. These students will
be provided an industrial perspective and an understanding of product
development at the same time as they are trained in the molecular

Degrees: Biotechnology (B.S., M.S., M.S./M.B.A.)
Tracks: None
Minors: None

Program in Medical Laboratory Sciences

Undergraduate Coordinator: Steve Ebert
HPA2 335A; 407-823-5932

Medical laboratory scientists are involved in medical diagnosis, patient
treatment, health screening, laboratory management, research, and
laboratory education. They use highly sophisticated analytical equip-
ment for the examination of blood and body fluids.

The curriculum is designed to give students a thorough background in
the physical and biological sciences; to develop the necessary labora-
tory skills and essential skills to assume leadership roles in manage-
ment 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
program accepts admission until the class is filled. Preference will be
given to those who apply by March 1st, but applications will be
accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the
National Accrediting Agency for Clinical Laboratory Sciences
(NAACLS, 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119)
and is approved as a training program by the State of Florida Board of
Clinical Laboratory Personnel.

Degrees: Medical Laboratory Sciences (B.S.)
Tracks: None
Minors: None

Program in Medical Laboratory Sciences

Office of Student Services and Advisement (OSSA)

Undergraduate Coordinator: Amanda Colee
HPA2 335A; 407-823-5932
Academic Advisor: Cynthia Contreras
HPA2 336; 407-823-5787
Academic Advisor: Ana Maria Schwindt
HPA2 337; 407-823-1259
Email: BSBSAdvising@ucf.edu

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

Program Academic Learning Compacts (student learning outcomes)
for undergraduate programs in the College of Medicine are located at:
http://oas.ucf.edu/academiclearningcompacts.html

UNIVERSITY OF CENTRAL FLORIDA 107 Undergraduate Catalog 2015-2016
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 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 four tracks: traditional, second degree accelerated, concurrent and RN to BSN. The traditional, accelerated second degree, and concurrent tracks prepare students for initial licensure as a registered nurse. The traditional 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. Concurrent and RN to BSN program is approved by the Florida Board of Nursing. All programs are limited access programs.

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 programs.

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 Family Nurse Practitioner, Adult/Gerontology Primary Care Nurse Practitioner, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-46 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. It is offered in a mostly online format with two intensive on campus meetings per year.

The Doctor of Nursing Practice (DNP) prepares advanced practice nurses and nurse executives 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 programs. Additional information regarding prerequisites and minimum grade point averages may be obtained from the college website:
http://www.nursing.ucf.edu

Programs and Degrees
Degrees: Nursing (BSN) (MSN) (PhD) (DNP)
Tracks: Basic BSN, Accelerated BSN degree, RN-BSN, 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 undergraduate 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. Questions concerning university and college academic policies should be directed through this office.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at:
http://oeas.ucf.edu/academiclearningcompacts.html
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 for Academic Affairs: David J. Hagan
CROL 209; 407-823-6817

Associate Director, Academic Affairs: Mike McKee
CROL 108B; 407-823-6376; undergrad@creol.ucf.edu

Faculty: Abouraddy, Amezcua-Correa, Bass, Baudelet, Cerqua-Richardson, Chang, Christodoulides, Delfyett, Deppe, Dogariu, Fathpour, Glebov, Gaume, Hagan, Kar, Khajavikhan, Kik, Kuebler, Li, LiKamWa, Pang, Moharam, Richardson, Saleh, Schoenfeld, Schulzgen, Shah, Silfvast, Soileau, Stegeman, Van Stryland, Vodapyanov, Wu, Zeldovich

College Vision
Be the nation’s leader in education, research, and scholarship in optical science and engineering (OS&E).

College Mission
CREOL, The College of Optics & Photonics is a world-renowned graduate college for optical science and engineering education and research. Its mission is to: Provide the highest quality education in optical science and engineering, support the educational needs of undergraduate and graduate students, serve the continuing educational needs of industry, and enhance optics and photonics education at all levels; Create and disseminate new knowledge and innovations in optics and photonics by conducting, presenting, and publishing cutting-edge fundamental and applied research; Aid in the development of the State of Florida and the nation’s knowledge-based and technology-based industries, and create, foster, and sustain mutually beneficial research collaborations and partnerships with industry.

Undergraduate Degree
Photonic Science and Engineering BSPSE
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 master’s level research scientists, and 120 graduate students. The faculty are recognized as being among the best in the optics/laser/photronics 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 undergraduate lab is outfitted with the latest equipment and technologies in a dedicated space for undergraduate students.

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. 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.

Bachelor of Science in Photonic Science and Engineering Description

Optics and photonics technologies are central to modern life. For example, they are needed to make and inspect the integrated circuits in nearly every electronic device we use. They are used in high-efficiency lighting, displays, and the harvesting of solar power. Optical fibers have enabled the Internet and lasers are essential to precision manufacturing and metrology, and a plethora of medical applications including clinical diagnosis, surgery, and genome mapping. Photonics plays a huge role in the US and Florida’s economy, with over 270 photonics companies in Florida, employing over 5,000 engineers. B.S. degree in Photonic Science and Engineering will enable students to analyze and design optical and laser systems for a broad set of applications including manufacturing, healthcare, telecommunication, defense, security, and entertainment. PSE students are required to complete a senior design project in which students work as a small design team.

Mission

The mission of the Bachelor of Science in Photonic Science and Engineering is to educate students in the fundamental skills, knowledge, and practice so they can apply their knowledge, analyze, and design technologies in a productive and ethical manner that will lead them to positions within the Photonic Science and Engineering industry, or to prepare them for advanced course work or degrees within Optics and Photonics.

Program Educational Objectives

1. Graduates will grow in their role as photonic scientists and engineers in society leading to leadership within the profession.
2. Graduates will make a meaningful impact on profession while behaving ethically and taking into account environmental and economic issues.
3. Graduates will pursue life-long learning in their areas of interest, through such endeavors as graduate studies, service to the profession, or participating in training opportunities.

Student Outcomes

Upon graduation, graduates will have:

1. The ability to apply knowledge of mathematics, science, and engineering.
2. The ability to design and conduct experiments, as well as to analyze and interpret data.
3. The 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. The ability to function on multidisciplinary teams.
5. The ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility.
7. The ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in global, economic, environmental, and societal contexts.
9. Recognition of the need for, and the ability to engage in life-long learning.
10. Knowledge of contemporary issues.
11. The ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Advisement

The Photonic Science and Engineering Bachelor’s degree is jointly offered with CECS. General questions about the program can be directed to the Associate Director in the College of Optics and Photonics or email at undergrad@creol.ucf.edu. Questions about general engineering requirements are available through the CECS Academic Affairs Office in ENG1 107.

Additional Information on UCF Baccalaureate Photonic Science and Engineering Program

Additional and current information on the UCF Photonic Science and Engineering can be found on the College home page at http://www.creol.ucf.edu and information about this joint program with the College of Engineering and Computer Science can be found at http://www.cecs.ucf.edu.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Optics and Photonics are located at:

http://oeas.ucf.edu/academiclearningcompacts.html
College of Sciences

Dean: Michael Johnson
CSB 201; 407-823-1997
http://www.cos.ucf.edu

Associate Dean: Cynthia Young
CSB 201; 407-823-1912
Associate Dean: Teresa Dorman
CSB 201; 407 823-5167
Associate Dean: Arlen F. Chase
CSB 201; 407 823-2316

The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics along with the Nicholson School of Communication. In addition, the college houses several additional academic and research units, including the Arboretum, Global Perspectives, the Lou Frey Institute of Politics and Government, the National Center for Forensic Science, and ISTEM (Initiatives in Sciences, Technology, Engineering, and Mathematics).

The College is responsible for programs in the behavioral and social sciences, the communication sciences, the analytic and computational sciences, and the physical and life sciences. The departments collectively offer undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs in these areas. 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, most programs require that a student 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 in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major (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 those students interested in enrolling into a law program. Law schools accept superior students with a good liberal arts or science background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with an emphasis in theory and critical thinking is typically suggested. 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. Students are also encouraged to seek advisement from the university’s Office of Pre-Health and Pre-Law Advising: http://www.phpladvising.ucf.edu/.

Prehealth Professions

While there are specific courses that students need to master to enroll into a medical program, there is not a required major. 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. Students are also encouraged to seek advisement from the university’s Office of Pre-Health and Pre-Law Advising: http://www.phpladvising.ucf.edu/.

Advisement

College of Sciences, Academic Services (COSAS)
Director of Undergraduate Services: Lee Anne Kirkpatrick
CSB 250; 407-823-6131
Email: cosas@ucf.edu
http://www.cos.ucf.edu/cosas/

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the “First Year” advising offices should make an appointment with their COSAS advisor by the end of the fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation 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

Title | Degree
--- | ---
Actuarial Science | Minor
Advertising-Public Relations | BA
Anthropology | BA, MA, Minor
Anthropology of Global Health | Undergraduate Certificate
Anthropology in Multicultural Studies | Minor
Astronomy | Minor
Behavioral Forensics | Undergraduate Certificate
Biology | BS, MS, Minor
Biology-Preprofessional | BS Concentration
Biomedical Sciences | PhD
Chemistry | BS, MS, PhD, Minor
Clinical Psychology | MA
Chemistry-Biochemistry | BS Track
Communication | MA
Communication and Conflict | BA
Computer Forensics | Graduate Certificate
Conservation Biology | PSM, PhD, Graduate Certificate
Corporate Communication | Graduate Certificate
Crime Scene Investigation | Undergraduate Certificate
Criminal Law, and Deviance | Minor
Diplomacy | Minor, Undergraduate Certificate
Diversity & Social Inequality | Minor
European Studies | Minor
Forensic Science | BS, MS
Global Peace & Security Studies | Minor
Health Communication | Undergraduate Certificate
Human Communication | BA, Minor
Industrial/Organizational Psychology | MS
Intelligence and National Security | Graduate Certificate
International & Global Studies | BA, Minor
Journalism | BA
Journalism Studies | Minor
Magazine Journalism | Minor
Mass Communication | Minor
Mass Culture & Collective Behavior | Minor
Mathematical Biology | Minor
Mathematics | BS, Graduate Certificate, MS, PhD, Minor
Maya Studies | Graduate Certificate
Medical Anthropology | Minor
Medical Sociology | Minor
Nanoscale Science and Technology | Minor
Native American Studies | Undergraduate Certificate
North American Indian Studies | Minor
Physics | BS, MS, PhD, Minor
Political Science | BA, MA, Minor
Political Science-Pre Law | BA Track, Minor
Psychology | BS, MA, MS, PhD, Minor
Radio-Television | BA
SAS Data Mining | Graduate Certificate
Security Studies | PhD
Social Sciences | BS
Sociology | BA, MA, PhD, Minor
Statistics | BS, MS, Minor
Terrorism Studies | Minor

Minors:
- Anthropology (concentrations in general, archaeology, cultural, or physical)
- Anthropology in Multicultural Studies
- Medical Anthropology, North American Indian Studies

Certificates:
- Anthropology of Global Health (undergraduate)
- Crime Scene Investigation (undergraduate)
- Native American Studies (undergraduate)
- Maya Studies (graduate)

Department of Biology

Chair: Graham Worthy
BL 301: 407-823-1333
Email: biology@ucf.edu
http://biology.cos.ucf.edu/

Associate Chair: Laurie von Kalm
Undergraduate Coordinator: Eric Hoffman

Please see the department website for a listing of the department’s faculty and staff.

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a Professional Science Masters in Conservation Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservation Biology, and participates in an interdisciplinary Ph.D. program in Biomolecular Sciences.

The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background provides flexible career opportunities for graduates, including science-related employment and professional or graduate school. Selection of electives, in consultation with a faculty advisor, allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study.

Degrees: Biology (BS, MS), Conservation Biology (PSM, PhD)
Concentration: Biology Pre-professional (BS)

Minors: Biology
Certificate: Conservation Biology (graduate)

Department of Chemistry

Chair: Cherie Yestrebsky
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

Please see the department website for a listing of the department’s faculty and staff.

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 Biomolecular 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: TBA
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

Please see the department website for a listing of the department’s faculty and staff.

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 multi-media instructional classrooms. The Radio-Television program has fully-equipped audio and video production facility, a complete multi-camera television studio, an online radio station and laboratories for interactive multimedia. The Journalism program has a computer writing and media lab. The Advertising-Public Relations program has a computer writing and media lab. The Human Communication program has a presentationspeaking 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), Communication and Conflict (BA), Human Communication (BA), Journalism (BA), Radio-Television (BA)

Specializations: Broadcast Generalist, Electronic Journalism, Print/ Digital Journalism, Production

Minors: Journalism Studies, Human Communication, Magazine Journalism, Mass Communication

Certificate: Corporate Communication (graduate)

Department of Mathematics

Chair: Xin Li
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

Please see the department website for a listing of the department’s faculty and staff.

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

Department of Physics

Chair: Talat Rahman
PS 430A; 407-823-5785
Email: physics@ucf.edu
http://physics.cos.ucf.edu/

Associate Chair: Joshua Colwell
PS 434; 407-823-2012

Undergraduate Coordinator: Elena Filtsiyan
PS 430; 407-823-2325

Please see the department website for a listing of the department’s faculty and staff.

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department’s research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and planetary science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

Degrees: Physics (BS, MS, PhD)
Tracks: General Physics (with specializations in Materials Physics, Nanoscale Science and Technology, and Physics Education)

Minors: Astronomy, Nanoscale Science and Technology, Physics

Department of Political Science

Chair: Kerstin Hamann
HPH 302; 407-823-2608
Email: politics@ucf.edu
http://politicalscience.cos.ucf.edu/

Assistant Chair: Barbara Kinsey
PH 302; 407-823-2608

Please see the department website for a listing of the department’s faculty and staff.
The Department of Political Science seeks to:
1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where knowledge of government and politics is necessary;
2. Provide students with a broad background in pre-law to facilitate their admission to law school;
3. Prepare students for teaching, research, and graduate study in Political Science;
4. Provide a broad background for careers in politics; and
5. Educate citizens and promote their active interest in public affairs.

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A. The Department of Political Science participates in the following programs:

- Asian Studies: Contact Houman Sadri or Myunghee Kim.
- Diplomacy: Contact Roger Handberg.
- Environmental Studies: Contact Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global Peace and Security Studies: Contact Paul Vasquez.
- International and Global Studies: Contact Paul Vasquez.
- Latin American and Iberian Studies: Contact Bruce Wilson.
- Middle Eastern Studies: Contact Houman Sadri.
- Space Studies: Contact Roger Handberg.
- Terrorism Studies: Contact Paul Vasquez
- 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 Coordinators: Alisha Janowsky and Karen Cox

Please see the department website for a listing of the department’s faculty and staff.

The undergraduate program of the Department of Psychology reflects the scientific nature of the field and has three primary goals. The first is to provide students graduating with a B.S. in psychology with knowledge of the basic theories and research in psychology. The second is to provide critical thinking, writing skills, and knowledge of research and statistical concepts so graduates can apply these concepts to their work, community, and lives. Finally, we prepare our graduating students with the skills necessary for success in graduate programs in psychology or related fields.

Degrees: Psychology (BS, MA, MS, PhD)
Minors: Psychology
Certificates: Behavioral Forensics

Department of Sociology
Chair: Elizabeth Mustaine
PH 403B; 407-823-3744
Email: sociology@ucf.edu
http://sociology.ucf.edu/

Undergraduate Program Coordinator: Lin Huff-Corzine

Please see the department website for a listing of the department’s faculty and staff.

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: David Nickerson
CCII 206; 407-823-5528
Email: stats@ucf.edu
http://statistics.cos.ucf.edu/

Associate Chair: James Schott
Undergraduate Program Coordinator: Nizam Uddin

Please see the department website for a listing of the department’s faculty and staff.

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://oeas.ucf.edu/academiclearningcompacts.html
The College 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-Health and Pre-Law Advising, the EXCEL program, and Academic Advancement 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 undergraduate 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 records for advisement and graduation certification.

Bachelor of Applied Science
Interim Vice Provost and Dean: Manoj Chopra
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
Interim Director: Ulla Isaac
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.
Academic Advancement Programs

Director: Michael Aldarondo-Jeffries
TC2 221; 407-823-1815
http://www.aap.ucf.edu

Academic Advancement Programs (AAP) prepares underrepresented and first generation college students to pursue advanced degrees. AAP works in collaboration with faculty, staff, local and national partners to provide a range of graduate preparation programs and services. Students have the opportunity to participate in a variety of initiatives designed to increase their awareness and knowledge of the graduate application process, graduate school funding, summer research programs, and fellowship opportunities. Current programs include the McNair Scholars Program, the Research and Mentoring Program, and the Graduate School Prep Academy.

Office of Interdisciplinary Studies

Interim Director: Elliot Vittes
CL1 302; 407-823-0144
Email: is@ucf.edu
http://is.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Luisa Cintron, Cassandra Everly, Said Jardaneh, 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-Health and Pre-Law Advising

Interim Director: Manoj Chopra
Associate Director: Erin Myszkowski
FC 203; 407-823-3033
http://phpladvising.ucf.edu

The Office of Pre-Health and Pre-Law Advising provides guidance and support to students interested in pursuing careers in the health and legal professions. The Office 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 the Office 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. The Office’s primary goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

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 and creative projects in various disciplines with the guidance of a faculty mentor. This intensive opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, creative, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. The office offers programming to help students get involved such as the first-year LEARN program, pre-research courses, workshops, and peer advising and also hosts programs to enhance the research experience for students including the Showcase of Undergraduate Research Excellence, UCF Undergraduate Research Journal, summer fellowships, and student grants.

EXCEL Program

Director: Melissa Dagley
MSB 230; 407-823-6230
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 Office

Director: TBA
CL1 206; 407-823-1342
http://qep.ucf.edu

The Quality Enhancement Plan (QEP) is a component of UCF’s accreditation with the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) and involves developing and executing an initiative that supports student learning in a well-defined and focused area. In 2006, UCF selected information fluency (IF) as its QEP topic. The Quality Enhancement Plan 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://oeas.ucf.edu/academiclearningcompacts.html
Rosen College of Hospitality Management
Dean: Abraham Pizam
9907 Universal Boulevard, Suite 231-H Orlando, FL 32819; 407-903-8000
http://www.hospitality.ucf.edu

Associate Dean: Youcheng Wang;
9907 Universal Boulevard, Suite 231-A; 407-903-8000
Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112

Faculty:

The hospitality industry is the second largest employer in the United States and represents the majority of the economy’s rapidly growing service sector. 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 and beyond. 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.

Over 55 million tourists visit Orlando each year, an international destination with 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 the most visited location 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 abilities to identify opportunities and challenges in the hospitality industry and beyond, and to apply creative decision-making techniques in response to those opportunities. Hospitality is relevant to every business, so students will benefit from an education that’s transferable to both private and public entities that value the customer experience.

The curriculum is designed to prepare students for a broad range of managerial roles across various industries. It provides both academic preparation and practical experiences that students need to enter and succeed in their careers. Students also have the opportunity to experience the work world in hospitality through an internship requirement and extensive contact with leading hospitality executives in the Central Florida area. There are three undergraduate degrees offered, including Bachelor of Science degrees in Hospitality Management, Event Management, and Restaurant and Food Service 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.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with convenient on-campus housing.
- Access to global hospitality organizations that serve one of the world’s premier tourist destinations.
- Extensive ties to top leaders in the Orlando area hospitality industry.
- A large number of scholarships provided through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A highly engaged faculty with vast industry knowledge and connections.
- A work requirement that provides students with practical experiences in the hospitality industry.
- Outstanding internship opportunities.
- A modern food production laboratory and beer and wine laboratory 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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: http://oeas.ucf.edu/academiclearningcompacts.html
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UNIVERSITY OF CENTRAL FLORIDA

118 Undergraduate Catalog 2015-2016
The purpose of the Accounting B.S.B.A. degree is to prepare students to successfully gain admittance to our Accounting M.S.A./M.S.T. graduate degree program and become Certified Public Accountants (CPAs). Not eligible for a double degree with another College of Business Administration major. Accounting Minor is only open to Finance majors.

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, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3131, with a GPA of at least 3.0, a grade of at least “B” (3.0) in ACG 3131, and no grade below a “C” (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites.

Degree Requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Accounting must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 59 upper level business hours 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.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Accounting major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPA will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dropped as an Accounting major and/or College of Business student. A student who is dropped may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students must earn a “B” or higher in ACG 3131. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 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)
     - Required CGS 2100C Computer Fundamentals for Business 3 hrs
     - Required MAC 1105C College Algebra 3 hrs
   - D: Social Foundations (6 hrs)
     - Select 1: 3 hrs
       - Prefer ECO 2013 Principles of Macroeconomics or STA 3023 Statistical Methods I 3 hrs
     - Select 1: 3 hrs
       - Suggested ANT 2000 General Anthropology or STA 2023 Introduction to Sociology 3 hrs
   - E: Science Foundations (6 hrs)
     - Select one of the following sequences of courses:
       - Students who have not completed MAC 2233 and STA 2203 with a “C” (2.0) or better must take ECO 3401.
       - ECO 3401 Quantitative Business Tools I 3 hrs
     - or
       - 1 MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs
       - 1 or MAC 2311 and MAC 2312

2. Core Requirements: Basic Level
   - None

3. Core Requirements: Advanced Level (49 hrs)
   - Primary Core 15 hrs
     - ACG 3131 Intermediate Financial Accounting I 3 hrs
     - ECO 3411 Quantitative Business Tools II 3 hrs
     - FIN 3403 Business Finance 3 hrs
     - MAN 3025 Management of Organizations 3 hrs
     - MAR 3023 Marketing 3 hrs
   - Secondary Core 13 hrs
     - GEB 3003 Career Research & Planning 1 hr
     - GEB 3005 Career Search Strategy 1 hr
     - BUL 3130 Legal and Ethical Environment of Business 3 hrs
     - GEB 3375 Introduction to International Business 3 hrs
     - MAR 3203 Supply Chain and Operations Management 3 hrs
     - GEB 4223 Business Interviewing Techniques 1 hr
     - GEB 4004 Executing Your Career Plan 1 hr
   - Required courses for major: 21 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 (6 hrs)
   - Business Electives 6 hrs
   - Select two upper level business courses

6. Capstone Requirements (3 hrs)
   - An approved intent to Graduate must be on file in order to register for MAN 4720.
   - MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements
   - None
8. Electives
   ■ Variable
9. Additional Requirements
   ■ None
10. Required Minors
    ■ None
11. Departmental Exit Requirements
    ■ A minimum major GPA of 2.75 and a minimum College of Business 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
■ Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 2 lower division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
■ 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 two honors courses (total of 6 credit hours) as follows:
  Take all of the following sequences:
  ACG 4903H Honors Directed Reading I or 3 hrs
  ACG 4904H Honors Directed Reading II 3 hrs
  and
  ACG 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ Florida 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.
■ Any student receiving a business degree must complete a minimum of 30 of the 58 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
■ General electives as required to earn 120 credit hours

Freshman Year - Fall 15 hrs
  ENC 1101 Composition I 3 hrs
  MAC 1105C College Algebra 3 hrs
  ECO 2013 Principles of Macroeconomics 3 hrs
  Cultural Foundation I 3 hrs
  Elective 3 hrs

Freshman Year - Spring 15 hrs
  ENC 1102 Composition II 3 hrs
  ECO 2023 Principles of Microeconomics 3 hrs
  Social Foundation 3 hrs
  Elective 3 hrs
  Elective 3 hrs

Sophomore Year - Fall 15 hrs
  ACG 2021 Principles of Financial Accounting 3 hrs
  SPC 1608 Fundamentals of Oral Communication 3 hrs
  Science 3 hrs
  Historical Foundation I 3 hrs
  Elective 3 hrs

Sophomore Year - Spring 15 hrs
  ACG 2071 Principles of Managerial Accounting 3 hrs
  ECO 3401 Quantitative Business Tools I 3 hrs
  CGS 2100C Computer Fundamentals for Business 3 hrs
  Historical Foundation II 3 hrs
  Science 3 hrs

Junior Year - Fall 16 hrs
  ACG 3131 Intermediate Financial Accounting I 3 hrs
  FIN 3403 Business Finance 3 hrs
  MAR 3023 Marketing 3 hrs
  ECO 3411 Quantitative Business Tools II 3 hrs
  MAN 3025 Management of Organizations 3 hrs
  GEB 3003 Career Research & Planning 1 hr

Junior Year - Spring 15 hrs
  ACG 3141 Intermediate Financial Accounting II 3 hrs
  ACG 3361 Cost Accounting I 3 hrs
  MAN 3025 Management of Organizations 3 hrs
  ECO 3411 Quantitative Business Tools II 3 hrs
  GEB 3005 Career Search Strategy 1 hr
  Elective 2 hrs

Senior Year - Fall 16 hrs
  ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
  ACG 4401C Accounting Information Systems 3 hrs
  BUL 3130 Legal and Ethical Environment of Business 3 hrs
  MAR 3203 Supply Chain and Operations Management 3 hrs
  GEB 3375 Introduction to International Business 3 hrs
  GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring 13 hrs
  TAX 4001 Taxation of Business Entities and Transactions 3 hrs
  ACG 4651 Auditing 3 hrs
  ACG 4803 Advanced Issues in Financial Accounting 3 hrs
  MAN 4720 Strategic Management 3 hrs
  GEB 4004 Executing Your Career Plan 1 hr

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/academiclearningcompacts.html

UNIVERSITY OF CENTRAL FLORIDA
Advertising-Public Relations (B.A.)
College of Sciences
Nicholson School of Communication,
NSC, Room: 143
http://communication.cos.ucf.edu
Email: adpr@ucf.edu
Joan McCain - Area Coordinator, joan.mccain@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- The Advertising-Public Relations program is a limited access program that requires a separate application.
- 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 progress at the time of admission, students who do not earn a “C” or better will be removed from the program):

  Complete the following: 6 hrs
  ADV 3008 Principles of Advertising and
  PUR 4000 Public Relations

Application Deadlines:
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- 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 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)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Select either 3 hrs
   Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
   Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   Prefer AMH 2001 U.S. History: 1492-1787 3 hrs
   Select two courses from group B.2. 6 hrs

C: Mathematical Foundations (6 hrs)
   Math
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   May substitute a higher level math with appropriate scores on the Math Placement Exam.

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

D: Social Foundations (6 hrs)
   Economics
   Required ECO 2013 Principles of Macroeconomics or 3 hrs
   Required ECO 2023 Principles of Microeconomics 3 hrs

Social Sciences
   Required ANT 2000 General Anthropology or 3 hrs
   Required PSY 2012 General Psychology or 3 hrs
   Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   Select either Economics course:
   ECO 2013 Principles of Macroeconomics or GEP
   ECO 2023 Principles of Microeconomics

Select either Speech course:
   SPC 1608 Fundamentals of Oral Communication or GEP
   SPC 1603C Fundamentals of Technical Presentations GEP

3. Core Requirements: Basic Level (6 hrs)
   All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:
   Must be in progress or completed before applying to the program:
   Complete all of the following: 6 hrs
   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).
   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

UNIVERSITY OF CENTRAL FLORIDA
<table>
<thead>
<tr>
<th>UCF Degree Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Complete either speech class</strong></td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication or GEP/CPP</td>
</tr>
<tr>
<td>SPC 1603C Fundamentals of Technical Presentations GEP/CPP</td>
</tr>
<tr>
<td><strong>Complete either statistics class:</strong></td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics or GEP</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I GEP</td>
</tr>
<tr>
<td><strong>4. Core Requirements: Advanced Level (21 hrs)</strong></td>
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<tr>
<td>Complete after admission to the program:</td>
</tr>
<tr>
<td>ADV 4101 Advertising Copywriting 3 hrs</td>
</tr>
<tr>
<td>MMC 3420 Mass Media Research Methods 3 hrs</td>
</tr>
<tr>
<td>MMC 3200 Mass Communication Law 3 hrs</td>
</tr>
<tr>
<td>MMC 4411 Ad-PR Campaigns 3 hrs</td>
</tr>
<tr>
<td>MMC 3630 Social Media as Mass Communication 3 hrs</td>
</tr>
<tr>
<td>PUR 3100 Writing for Public Relations 3 hrs</td>
</tr>
<tr>
<td><strong>Internship: Select one 3 hrs</strong></td>
</tr>
<tr>
<td>ADV 4941 Internship or 3 hrs</td>
</tr>
<tr>
<td>PUR 4941 Internship 3 hrs</td>
</tr>
<tr>
<td><strong>5. Restricted Electives (12 hrs)</strong></td>
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<tr>
<td>Select from the following after admission to the program:</td>
</tr>
<tr>
<td>PUR 3004 Public Relations and Society 3 hrs</td>
</tr>
<tr>
<td>ADV 4103 Radio-Television Advertising 3 hrs</td>
</tr>
<tr>
<td>ADV 4300 Advertising Media Planning 3 hrs</td>
</tr>
<tr>
<td>COM 3110 Business and Professional Communication 3 hrs</td>
</tr>
<tr>
<td>JOU 4700 Journalism Ethics 3 hrs</td>
</tr>
<tr>
<td>PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs</td>
</tr>
<tr>
<td>PUR 4203 PR/Advertising Ethics and Law 3 hrs</td>
</tr>
<tr>
<td>PUR 4400 Crisis Communication 3 hrs</td>
</tr>
<tr>
<td>PUR 4110C Public Relations Publications 3 hrs</td>
</tr>
<tr>
<td>PUR 4801 Public Relations Case Studies 3 hrs</td>
</tr>
<tr>
<td>VIC 3001 Visual Communication 3 hrs</td>
</tr>
<tr>
<td><strong>You may take either internship, but not both. 3 hrs</strong></td>
</tr>
<tr>
<td>ADV 4941 Internship or 3 hrs</td>
</tr>
<tr>
<td>PUR 4941 Internship 3 hrs</td>
</tr>
<tr>
<td><strong>6. Capstone Requirements</strong></td>
</tr>
<tr>
<td>The following Advanced Core course meets the Capstone Requirement:</td>
</tr>
<tr>
<td>MMC 4411 Ad-PR Campaigns 3 hrs</td>
</tr>
<tr>
<td><strong>7. Foreign Language Requirements</strong></td>
</tr>
<tr>
<td><strong>Admissions</strong></td>
</tr>
<tr>
<td>Met by graduation requirement.</td>
</tr>
<tr>
<td><strong>Graduation</strong></td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td><strong>8. Electives</strong></td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td><strong>9. Additional Requirements</strong></td>
</tr>
<tr>
<td>None</td>
</tr>
<tr>
<td><strong>10. Required Minors</strong></td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td><strong>11. Departmental Exit Requirements</strong></td>
</tr>
<tr>
<td>To avoid delaying graduation, the student must request a review of requirements before registering for the last term.</td>
</tr>
<tr>
<td>Achieve an overall “C” GPA (2.0) in Nicholson School of Communication courses used to satisfy the major.</td>
</tr>
</tbody>
</table>

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**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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; complete ADV 3008 and PUR 4000 with a minimum grade of A (4.0) and MMC 3420 with a minimum grade of B (3.0).

- Admission: Application to admission to Honors in the Major program must be approved by both the Honors in the Major thesis adviser and the Advertising-Public Relations Area Coordinator.

**Requirements:**

- Students accepted into the Honors in the Major Program must complete the following:
  - **Select 1:**
    - ADV 4906 Directed Independent Study 3 hrs
    - PUR 4906 Directed Independent Study 1 hr
  - **Select 1:**
    - ADV 4970H Undergraduate Honors Thesis 3 hrs
    - PUR 4970H Honors Undergraduate Thesis II 1 hr

**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**

<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>French Language</td>
<td>4 hrs</td>
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<tr>
<td>GEP Math</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
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</table>

**Freshman Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>French Language</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>
### Aerospace Engineering (B.S.A.E.)

**College of Engineering and Computer Science**

**Department of Mechanical and Aerospace Engineering**  
**Engineering 1, Room: 381**  
[http://www.mae.ucf.edu](http://www.mae.ucf.edu)

**Email:** mmaeugrad@ucf.edu

Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-8014  
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448  
Phone: 407-823-5448

**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 CHS 1440.

- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

### Degree Requirements

- Students in the Aerospace Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Aerospace Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.

- Students in the Aerospace Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Aerospace Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Aerospace Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors.

- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Aerospace Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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:**

   - 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 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

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**Sophomore Year - Fall**  
15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008</td>
<td>Principles of Advertising</td>
<td>3 hrs</td>
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<tr>
<td>GEP- Economics</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>Elective-take outside of NSC</td>
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**Sophomore Year - Spring**  
15 hrs

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<tr>
<th>Course</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Elective-take outside of NSC</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PUR 4000</td>
<td>Public Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>Apply to the program</td>
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**Junior Year - Fall**  
15 hrs

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Apply to program by Oct 1.</td>
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</tr>
<tr>
<td>MMC 3420</td>
<td>Mass Media Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 3630</td>
<td>Social Media as Mass Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective-take outside of NSC</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Elective-take outside of NSC</td>
<td>3 hrs</td>
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**Junior Year - Spring**  
15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>If admitted, take the following:</td>
<td></td>
<td></td>
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<tr>
<td>PUR 3100</td>
<td>Writing for Public Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>Elective-take outside of NSC</td>
<td>3 hrs</td>
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**Junior Year - Summer**  
9 hrs

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Internship</td>
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<td>Elective-take outside of NSC</td>
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**Senior Year - Fall**  
13 hrs

<table>
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<tbody>
<tr>
<td>ADV 4101</td>
<td>Advertising Copywriting</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Elective-take outside of NSC</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>Elective-take outside of NSC</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Graduation Review</td>
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**Senior Year - Spring**  
12 hrs

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<tbody>
<tr>
<td>MMC 4411</td>
<td>Ad-PR Campaigns</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective - Internship</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>Free Elective-take outside of NSC</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Free Elective-take outside of NSC</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**

- Part-Time Student: $22 per term
- Full-Time Student: $44 per term

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**Aerospace Engineering (B.S.A.E.)**

**Department of Mechanical and Aerospace Engineering**,  
**Engineering 1, Room: 381**  
[http://www.mae.ucf.edu](http://www.mae.ucf.edu)

**Email:** mmaeugrad@ucf.edu

Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-8014  
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448  
Phone: 407-823-5448

### Degree Requirements

- Students in the Aerospace Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Aerospace Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.

- Students in the Aerospace Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Aerospace Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Aerospace Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Aerospace Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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:**

   - 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 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

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**University of Central Florida**

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UCF Degree Programs

D: Social Foundations (6 hrs)
Select 1:
- Preferred ECO 2033 Principles of Macroeconomics or
  ECO 2023 Principles of Microeconomics
- Select one class from Social Foundations

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

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. 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.

2.25 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses and with the senior design coursework.

- A "C" (2.0) or better is required in this course.

Select one of the following sequences of courses:
- Preferred course
  CHS 1440 Principles of Chemistry
- First alternative: Select all of the following: 6 hrs
  CHM 2040 Chemistry Fundamentals I A and
  CHM 2041 Chemistry Fundamentals IB
- Second alternative
  CHM 2045C Chemistry Fundamentals I

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements 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.

EAS 4991 Aerospace Career and Academic Faculty Advising I
EAS 4200 Principles of Electrical Engineering

4. Core Requirements: Advanced Level (51 hrs)
EAS 4310 Engineering Analysis-Statics
EAS 3343 Thermodynamics
EMA 3706 Structure and Properties of Aerospace Materials
EGN 3373 Principles of Electrical Engineering
STA 3032 Probability and Statistics for Engineers
EAS 3101 Fundamentals of Aerodynamics
EAS 3800C Aerospace Engineering Measurements
EAS 3810C Design of Aerospace Experiments
EAS 4105 Flight Mechanics
EAS 4134 High-Speed Aerodynamics
EAS 4300 Aerothermodynamics of Propulsion Systems
EGM 3034C Modeling Methods in Mechanical and Aerospace Engineering
EGM 3601 Solid Mechanics
EML 3217 Engineering Mechanics - Dynamics
EML 4225 Introduction to Vibrations and Controls
EML 3701 Fluid Mechanics I
EML 4142 Heat Transfer
EAS 4200 Analysis & Design of Aerospace Structures

5. Restricted Electives (12 hrs)
- Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered. http://mae.ucf.edu/academics/undergraduate/

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.

EAS 4700C Aerospace Design I
EAS 4710C Aerospace 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
- 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 Advising I
EAS 3991 Aerospace Career and Academic Faculty Advising II

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 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.

Senior Year - Spring 12 hrs
- EAS 4300 Aerothermodynamics of Propulsion 3 hrs
- Systems
- EAS 4710C Aerospace Design II 3 hrs
- Upper Division Elective 3 hrs
- Upper Division 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/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Anthropology (B.A.)
College of Sciences
Department of Anthropology, Philips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Dr. John Schultz, john.schultz@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, South America and the Caribbean.

Admission Requirements
- None

Degree Requirements
- UCF students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department
- Students must maintain a grade of "C"(2.0) or better in all courses used for the major
- Co-op or internship credit cannot be used in the major without prior approval
- Students should consult with a departmental advisor
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP) 36 hrs
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

   Math:
   - 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.

   Statistics - Computers
   - 3 hrs
   - Suggested STA 2014C Principles of Statistics

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

   E: Science Foundations (6 hrs)
   - 3 hrs
   - Required ANT 2511 The Human Species
   - Select from GEP E.1 list
2. Common Program Prerequisites (CPP)
- See Transfer Notes for possible substitutes
- See “Common Prerequisites” in the Transfer and Transitions Services section

3. Core Requirements: Basic Level (6 hrs)
Core-Required, also satisfy the CPP

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Take all of the following: 6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2140</td>
<td>Archaeology and the Rise of Human Culture and Local Contexts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology: Global Perspectives, Local Contexts</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level (12 hrs)

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3115</td>
<td>Archaeological Method and Theory</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4516</td>
<td>Human Biological Diversity or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 4586C</td>
<td>Human Origins</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (24 hrs)

Area Study 3 hrs
- Select one from the following courses:
  - ANT 3148 | Life and Death in Ancient Egypt | 3 hrs |
  - ANT 3152 | Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest | 3 hrs |
  - ANT 3158 | Florida Archaeology | 3 hrs |
  - ANT 3160 | Americas Before Columbus | 3 hrs |
  - ANT 3161 | Ancient Mexico: Aztec to Zapotec | 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 | Caribbean Piracy | 3 hrs |
  - ANT 3311 | Indians of the Southeastern United States | 3 hrs |
  - ANT 3312 | Ethnology of North American Indians | 3 hrs |
  - ANT 3313 | Indians of North America High Plains | 3 hrs |
  - ANT 3319 | Slavery, Resistance, and Cultural Dynamics Among African People in the Americas | 3 hrs |
  - ANT 3362 | Peoples of Southeast Asia | 3 hrs |
  - ANT 4153 | North American Archaeology | 3 hrs |
  - ANT 4332 | People and Cultures of Latin America | 3 hrs |
  - ANT 4340 | Caribbean Cultures | 3 hrs |
  - ANT 4352 | African Societies and Cultures | 3 hrs |

Restricted Electives 21 hrs
- Select 7 additional upper-level Anthropology courses; these may include other area study courses from the list above or any other upper-level Anthropology courses that may be offered (see below for restrictions).

Only one of the following may be taken:

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3115</td>
<td>Archaeological Method and Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Only one of the following may be taken:

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</thead>
<tbody>
<tr>
<td>ANT 4516</td>
<td>Human Biological Diversity or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 4586C</td>
<td>Human Origins</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Only one of the following may be taken:

<table>
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<th>Course Title</th>
<th>Credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3905</td>
<td>Directed Independent Study or</td>
<td>1 hr</td>
</tr>
<tr>
<td>ANT 3955</td>
<td>Study Abroad or</td>
<td>1 hr</td>
</tr>
<tr>
<td>ANT 3943</td>
<td>Caribbean Archaeology Practicum</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4180C</td>
<td>Seminar in Laboratory Analysis or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4824</td>
<td>Advanced Archaeological Fieldwork or</td>
<td>9 hrs</td>
</tr>
<tr>
<td>ANT 4906</td>
<td>Directed Independent Study or</td>
<td>1 hr</td>
</tr>
<tr>
<td>ANT 4912</td>
<td>Directed Independent Research or</td>
<td>1 hr</td>
</tr>
<tr>
<td>ANT 4955</td>
<td>Study Abroad or</td>
<td>1 hr</td>
</tr>
<tr>
<td>ANG 5822</td>
<td>Maya Field Research or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5907</td>
<td>Independent Study or</td>
<td>1 hr</td>
</tr>
<tr>
<td>ANG 5917</td>
<td>Directed Research</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

None of the following may be taken:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4903H</td>
<td>Honors Directed Reading I or</td>
<td>1 hr</td>
</tr>
<tr>
<td>ANT 4904H</td>
<td>Honors Directed Reading II or</td>
<td>1 hr</td>
</tr>
<tr>
<td>ANT 4970H</td>
<td>Undergraduate Honors Thesis</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Any of the following may be taken:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511L</td>
<td>Physical Anthropology Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>ANT 3026</td>
<td>Mummies, Zombies, and Vampires: Anthropology of the Undead</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3106</td>
<td>Archaeology and Popular Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3142</td>
<td>Old World Prehistory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3173</td>
<td>Archaeology of Sex</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples of the World</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3241</td>
<td>Magic, Ritual, and Belief</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3262</td>
<td>Rural Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3273</td>
<td>Law and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3330</td>
<td>Anthropology of the Amazon</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3393</td>
<td>American Indian Literature and Culture in Florida</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3398</td>
<td>Black/Seminole Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3541</td>
<td>Biobehavioral Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3550C</td>
<td>Primatology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3701</td>
<td>Engagement &amp; Social Change: Public Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4027</td>
<td>Mummies, Life After Death</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4013</td>
<td>Anthropology of Fast Food</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1ANT 4183</td>
<td>Archaeological Sciences</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1ANT 4184</td>
<td>Mortuary Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4266</td>
<td>Economic Anthropology: Production, Consumption, and Exchange</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1ANT 4303</td>
<td>Anthropology of Tourism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4408</td>
<td>Culture, Disease, and Healing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4462</td>
<td>Medical Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1ANT 4467</td>
<td>Nutritional Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4521</td>
<td>Forensic Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4525C</td>
<td>Human Osteology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ANT 4950</td>
<td>Birth to Death: Anthropological Perspectives on Human Growth</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1ANT 4702</td>
<td>Culture, Inequality and Global Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4802</td>
<td>Ethnographic Field Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5169</td>
<td>Problems in Maya Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5167</td>
<td>Maya Hieroglyphs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5228</td>
<td>Maya Iconography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5742</td>
<td>Problems in Forensic Anthropology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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**
- Crime Scene Investigation
- Cultural Tourism
- Diplomacy
- Health Communications
- Judaic Studies
- Native American Studies
- Nonprofit Management
- Teaching English as a Foreign Language
- Women's Studies

**Related Minors**
- The first four minors are not open to Anthropology majors:
  - Anthropology
  - Anthropology in Multicultural Studies
  - Medical Anthropology
  - North American Indian Studies
  - Africana Studies
  - American Studies
  - Asian Studies
  - Diplomacy
  - English - Linguistics
  - International and Global Studies
  - Judaic Studies
  - Latin American Area Studies
  - Medical Sociology
  - Middle Eastern Studies
  - Nonprofit Management/National Certification in Nonprofit Management
  - Sociology
  - Women's Studies
  - World Comparative 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 two ANT courses satisfy the CPP, ANT 2511 is required in the core and 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.
- 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**
- **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

**Sophomore Year - Fall**
- **ANT 2140** Archaeology and the Rise of Human Culture 3 hrs
- **ANT 2511** The Human Species 3 hrs
- **Ant 2000** General Anthropology 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs

**Sophomore Year - Spring**
- **ANT 2410** Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
- **ANT 3610** Language and Culture 3 hrs
- **Restricted Elective** 3 hrs
- **Elective / Minor** 3 hrs

**Junior Year - Fall**
- **Select 1:**
  - **ANT 3115** Archaeological Method and Theory or 3 hrs
  - **ANT 3145** Archaeology of Complex Societies 3 hrs
- **Restricted Elective** 3 hrs
- **Foreign Language** 4 hrs
- **Restricted Elective** 2 hrs
- **Elective / Minor** 3 hrs

**Junior Year - Spring**
- **ANT 4034** History of Anthropological Thought 3 hrs
- **Restricted Elective** 3 hrs
- **Foreign Language** 4 hrs
- **Elective / Minor** 3 hrs
- **Elective / Minor** 2 hrs

**Senior Year - Fall**
- **Select 1:**
  - **ANT 4516** Human Biological Diversity or 3 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**
- **Free Elective** 3 hrs
- **Area Study Elective** 3 hrs
- **Free Elective** 3 hrs
- **Elective / Minor** 3 hrs
- **Elective / Minor** 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oead.ucf.edu/academiclearningcompacts.html](http://www.oead.ucf.edu/academiclearningcompacts.html)

**Architecture (B.Des.)**

**College of Arts and Humanities**

**School of Visual Arts and Design**

(This program is offered at UCF at the Valencia West Campus)

[http://architecture.ucf.edu/](http://architecture.ucf.edu/)

**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.
UCF Degree Programs

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.
- Successful completion of PHY 2053 with a “C” (2.0) or better is required.

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 coursework, including all required courses.
- No more than 12 hours of overlap allowed in majors or minors completed in the School of Visual Arts and Design.

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 (8 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (34 hrs)

- A.A. Courses (completed in the A.A. in Architecture from Valencia College).
- ARC 2461 Materials and Methods of Construction and 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 2451 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

5. Restricted Electives

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

- None

Admissions

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

Graduation

- None

8. Electives (10 hrs)

- Any combination of course credit at the 3000 or 4000 level within the College 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

Related Minors

- Art - Studio
- Art History
- Cognitive Sciences
- Digital Media
- Film - Cinema Studies
- Humanities
- Philosophy
- English - Technical Communication
- Writing and Rhetoric

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.

128 Undergraduate Catalog 2015-2016
Art - Emerging Media 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 Emerging Media track allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to:
-Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree.

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: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://cstore.ucf.edu/) for the minimum hardware and software specifications.

Admission Requirements
- Character Animation: students must satisfactorily complete the mandatory DIG3950 - 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.

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)
### UCF Degree Programs

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 2200C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3</td>
</tr>
<tr>
<td>ART 2200C</td>
<td>Design Fundamentals-Three Dimensional</td>
<td>3</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
<td>3</td>
</tr>
</tbody>
</table>

Any ART prefix, studio, or media courses at the 2000-4000 levels

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

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2030C</td>
<td>Digital Video Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2108C</td>
<td>Digital Imaging Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2500C</td>
<td>Fundamentals of Interactive Design</td>
<td>3</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 3024</td>
<td>Digital Culture &amp; Narrative</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3480C</td>
<td>Computer as a Medium</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3525</td>
<td>Digital Media Production I</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4700C</td>
<td>Modeling for Realtime Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

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

**Specializations**

**Graphic Design**
- Graphic Design Basic Concentration - 18 hours
  - GRA 3900 Graphic Design Portfolio Application 3 hrs
  - GRA 302C Intermediate Graphic Design I 3 hrs
  - GRA 311C Intermediate Graphic Design II 3 hrs
  - GRA 308C Intermediate Computer Graphic Design 3 hrs
  - GRA 319C Advanced Graphic Design 3 hrs
  - GRA 320C Type & Design 3 hrs

**Character Animation** 39 hrs
- All courses in the Character Animation specialization are offered at the UCF Center for Emerging Media in Downtown Orlando
- Character Animation Core - 15 hours
  - DIG 3951 Character Animation Portfolio Review 0 hrs
  - ART 363C 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 3734 Intermediate Animation 3 hrs

**Experimental Animation** 39 hrs
- Experimental Animation Core - 18 hours
  - ART 3950 Portfolio Review 0 hrs
  - ART 363C 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 3734 Intermediate Animation 3 hrs
  - FIL 4734C Experimental Animation Restricted Electives - 6 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 single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.
- Standardized examinations for foreign languages may be used to meet the requirement.

**Electives**
- Unrestricted electives - credit hours varies with specialization. (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.

#### 8. Electives

**Total Semester Hours Required**
- 124

**Honors In Major**
- None

**Related Programs**
- Art
- English - Technical Communication

**Certificates**
- None

**Related Minors**
- Music

**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 all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None
## Plan of Study

### Character Animation

**Freshman Year - Spring** 15 hrs
- ARH 2050  History of Western Art I 3 hrs
- ART 2201C  Design Fundamentals-Two Dimensional 3 hrs
- ENC 1101  Composition I 3 hrs
- MAC 1105C  College Algebra 3 hrs
- GEP Science Foundation 3 hrs

**Senior Year - Spring** 15 hrs
- ART 2203C  Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C  Drawing Fundamentals I 3 hrs
- DIG 2030C  Digital Video Fundamentals 3 hrs
- DIG 2109C  Digital Imaging Fundamentals 3 hrs
- DIG 2500C  Fundamentals of Interactive Design 3 hrs

**Sophomore Year - Spring** 15 hrs
- ART 2301C  Drawing Fundamentals II 3 hrs
- ART 2823  Art as Interface 3 hrs
- DIG 4780C  Modeling for Realtime Systems 3 hrs
- DIG 3480C  Computer as a Medium 3 hrs
- GRA 2101C  Introduction to Computer Art 3 hrs

**Sophomore Year - Summer** 6 hrs
- FIL 4750C  Experimental Animation Workshop 3 hrs
- FIL 4735C  Experimental Animation Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Junior Year - Fall** 12 hrs
- ARH 2051  History of Western Art II 3 hrs
- ART 2203C  Design Fundamentals-Three Dimensional 3 hrs
- COP 2500C  Concepts in Computer Science 4 hrs
- ENC 1102  Composition II 3 hrs
- GRA 2101C  Introduction to Computer Art 3 hrs

**Senior Year - Spring** 15 hrs
- ART 2203C  Design Fundamentals-Three Dimensional 3 hrs
- ART 2301C  Drawing Fundamentals II 3 hrs
- DIG 2030C  Digital Video Fundamentals 3 hrs
- DIG 2109C  Digital Imaging Fundamentals 3 hrs
- DIG 2500C  Fundamentals of Interactive Design 3 hrs

## Freshman Year - Summer 9 hrs
- GEP Communication Foundation 3 hrs
- GEP Cultural & Historical Foundation 3 hrs
- GEP Science Foundation 3 hrs

## Sophomore Year - Fall 15 hrs
- ART 2301C  Drawing Fundamentals II 3 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

## Sophomore Year - Spring 15 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
- GRA 2101C  Introduction to Computer Art 3 hrs

## Sophomore Year - Summer 6 hrs
- GEP Social Foundation 3 hrs
- GEP Social Foundation 3 hrs
- GEP Social Foundation 3 hrs

## Junior Year - Fall 15 hrs
- ARH 2050  History of Non-Western Art 3 hrs
- ART 3643C  Digital Effects & Compositing 3 hrs
- DIG 3355C  Artificial Environments and Effects 3 hrs
- DIG 3433C  Visual Storytelling and Visual Development 3 hrs
- DIG 3951  Character Animation Portfolio Review 0 hrs
- FIL 3720C  Introduction to Animation 3 hrs

## Senior Year - Fall 12 hrs
- ARH 2500  History of Non-Western Art 3 hrs
- FIL 4735C  Experimental Animation 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

## Senior Year - Spring 12 hrs
- ART 4935  BFA Exhibit/Seminar 3 hrs
- FIL 4750C  Experimental Animation Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

## Graphic Design

**Freshman Year - Fall** 15 hrs
- ARH 2050  History of Western Art I 3 hrs
- ENC 1101  Composition I 3 hrs
- MAC 1105C  College Algebra 3 hrs
- GEP Cultural & Historical Foundation 3 hrs
- GEP Social Foundation 3 hrs

**Freshman Year - Spring** 16 hrs
- ARH 2051  History of Western Art II 3 hrs
- ART 2823  Art as Interface 3 hrs
- COP 2500C  Concepts in Computer Science 4 hrs
- DIG 2030  Introduction to Digital Media 3 hrs
- ENC 1102  Composition II 3 hrs

**Sophomore Year - Fall** 15 hrs
- ART 2201C  Design Fundamentals-Two Dimensional 3 hrs
- ART 2300C  Drawing Fundamentals I 3 hrs
- DIG 2000  Introduction to Digital Media 3 hrs
- GRA 2101C  Introduction to Computer Art 3 hrs
- GEP Communication Foundation 3 hrs

**Sophomore Year - Spring** 15 hrs
- ART 2203C  Design Fundamentals-Three Dimensional 3 hrs
- ART 2301C  Drawing Fundamentals II 3 hrs
- DIG 2030C  Digital Video Fundamentals 3 hrs
- DIG 2109C  Digital Imaging Fundamentals 3 hrs
- DIG 2500C  Fundamentals of Interactive Design 3 hrs

**Freshman Year - Summer** 6 hrs
- GEP Communication Foundation 3 hrs
- GEP Cultural & Historical Foundation 3 hrs

**Sophomore Year - Summer** 6 hrs
- GEP Science Foundation 3 hrs
- GEP Science Foundation 3 hrs

**Junior Year - Summer** 8 hrs
- Foreign Language Elementary Level I 4 hrs
- Foreign Language Elementary Level II 4 hrs

**Senior Year - Summer** 8 hrs
- Foreign Language Elementary Level I 4 hrs
- Foreign Language Elementary Level II 4 hrs

**Senior Year - Fall** 12 hrs
- ARH 2500  History of Non-Western Art 3 hrs
- FIL 4735C  Experimental Animation 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Spring** 12 hrs
- ART 4935  BFA Exhibit/Seminar 3 hrs
- FIL 4750C  Experimental Animation Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

## Experimental Animation

**Freshman Year - Fall** 15 hrs
- ARH 2050  History of Western Art I 3 hrs
- ENC 1101  Composition I 3 hrs
- MAC 1105C  College Algebra 3 hrs
- GEP Social Foundation 3 hrs
- GEP Social Foundation 3 hrs

**Freshman Year - Spring** 16 hrs
- ARH 2051  History of Western Art II 3 hrs
- ART 2201C  Design Fundamentals-Two Dimensional 3 hrs
- COP 2500C  Concepts in Computer Science 4 hrs
- DIG 2030  Introduction to Digital Media 3 hrs
- ENC 1102  Composition II 3 hrs

## Undergraduate Catalog 2015-2016

**UNIVERSITY OF CENTRAL FLORIDA**
Junior Year - Fall 15 hrs
ARH 2500  History of Non-Western Art  3 hrs
DIG 3480C  Computer as a Medium  3 hrs
GRA 3102C  Intermediate Graphic Design I  3 hrs
GRA 3202C  Type & Design  3 hrs
GRA 3950  Graphic Design Portfolio Application  0 hrs
Any 2000-4000 Level Art Studio or Media Course  3 hrs

Junior Year - Spring 15 hrs
DIG 4780C  Modeling for Realtime Systems  3 hrs
GRA 3112C  Intermediate Graphic Design II  3 hrs
GRA 3803C  Intermediate Computer Graphic Design  3 hrs
Restricted Elective  3 hrs
ARH Upper Level Restricted Elective  3 hrs

Senior Year - Fall 15 hrs
DIG 3024  Digital Cultures & Narrative  3 hrs
GRA 4196C  Advanced Graphic Design  3 hrs
ARH Upper Level Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Senior Year - Spring 12 hrs
DIG 3525  Digital Media Production I  3 hrs
GRA 4107C  Special Problems in Graphic Design  3 hrs
Restricted Elective  3 hrs
ARH Upper Level 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/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

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
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)
8. Electives
- Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

9. Additional Requirements
- None
- Required Minors
- 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
  - GMA 2101C Introduction to Computer Art
  - ARH 3820 Visual Arts Administration

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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
- 15 hrs
  - ARH 2050 History of Western Art I 3 hrs
  - ENC 1101 Composition I 3 hrs
  - GEP Social Foundation 3 hrs
  - GEP Mathematical Foundation 3 hrs
  - Elective 3 hrs

### Freshman Year - Spring
- 15 hrs
  - ARH 2500 History of Non-Western Art 3 hrs
  - ENC 1102 Composition II 3 hrs
  - GEP Mathematical Foundation 3 hrs
  - GEP Social Foundation 3 hrs

### Freshman Year - Summer
- 8 hrs
  - Foreign Language Elementary Level I 4 hrs
  - Foreign Language Elementary Level II 4 hrs

### Sophomore Year - Fall
- 15 hrs
  - ART 2201C Design Fundamentals-Two Dimensional 3 hrs
  - ENC 3315 Argumentative Writing 3 hrs
  - ARH Restricted Elective 3 hrs
  - GEP Communication Foundation 3 hrs
  - GEP Science Foundation 3 hrs

### Sophomore Year - Spring
- 15 hrs
  - ART 2300C Drawing Fundamentals I 3 hrs
  - Foreign Language Intermediate I 3 hrs
  - GEP Cultural & Historical Foundation 3 hrs
  - GEP Science Foundation 3 hrs
  - ARH Restricted Elective 3 hrs

### Junior Year - Fall
- 15 hrs
  - ARH 4430 19th Century Art 3 hrs
  - ARH (Non-Western/Ancient) 3 hrs
  - ARH Restricted Elective 3 hrs
  - Elective 3 hrs
  - Upper Level Elective 3 hrs

### Junior Year - Spring
- 12 hrs
  - ARH 4310 Italian Renaissance Art 3 hrs
  - ARH Restricted Elective 3 hrs
  - Elective 3 hrs
  - Upper Level Elective 3 hrs

### Senior Year - Fall
- 15 hrs
  - ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
  - Elective 3 hrs
  - Upper Level Elective 3 hrs
  - ARH Restricted Elective 3 hrs

### Senior Year - Spring
- 15 hrs
  - ARH 4450 20th Century Art 3 hrs
  - Elective 3 hrs
  - Elective 3 hrs
  - Upper Level Elective 3 hrs
  - ARH Restricted 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/academiclearningcompacts.html

**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.
- 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.
UCF Degree Programs

- “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 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:** 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 (6 hrs)

- Prefer STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- Select 1: 3 hrs
  - Prefer MGF 1106 Finite Mathematics or 3 hrs
  - 1 Prefer MGF 1107 Explorations in Mathematics 3 hrs

- (may substitute a higher level math)

**D:** Social Foundations (6 hrs)

**E:** Science Foundations (6 hrs)

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

- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II GEP
- AR 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

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

- 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 3373C 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 3371C Intermediate Ceramics or 3 hrs
    - ART 3764C Ceramic Handbuilding I or 3 hrs
    - 1 ART 4783C Advanced Ceramics or 3 hrs
    - ART 4786C Ceramic Raw Material or 3 hrs
    - ART 3709C Intermediate Sculpture or 3 hrs
    - 1 ART 4710C Advanced Sculpture 3 hrs

  - **Drawing**
    - ART 3332C Intermediate Drawing or 3 hrs
    - 1 ART 4320C Advanced Drawing 3 hrs

  - **Drawing/Printmaking Combination**
    - ART 3332C Intermediate Drawing or 3 hrs
    - 1 ART 4320C Advanced Drawing or 3 hrs
    - ART 3433C Screenprinting or 3 hrs
    - 1 ART 4402C Advanced Printmaking 3 hrs

  - **Drawing/Illustration Combination**
    - ART 3332C Intermediate Drawing or 3 hrs
    - 1 ART 4320C Advanced Drawing or 3 hrs
    - GRA 3747C Intermediate Illustration I or 3 hrs
    - 1 GRA 4154C Advanced Illustration 3 hrs

  - **Painting**
    - ART 3304C Intermediate Painting or 3 hrs
    - 1 ART 4505C Advanced Painting 3 hrs

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

- 1 May be repeated for credit.

**b. Electives in Art:** 15 hrs

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

**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.**

- **10. Required Minors**

- **None.**

- **11. Departmental Exit Requirements** (3 hrs)

- **ART 4935 BFA Exhibit/Seminar required.** (BFA Exhibit Seminar is only offered during Spring Semester.)

- 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
### Plan of Study

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>ARH 2050 History of Western Art I 3 hrs</td>
<td>ARH 2051 History of Western Art II 3 hrs</td>
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<tr>
<td></td>
<td>ENC 1101 Composition I 3 hrs</td>
<td>ART 2201C Design Fundamentals-Two Dimensional 3 hrs</td>
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<tr>
<td></td>
<td>GEP Mathematical Foundation 3 hrs</td>
<td>ENC 1102 Composition II 3 hrs</td>
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<td></td>
<td>GEP Social Foundation 3 hrs</td>
<td>GEP Mathematical Foundation 3 hrs</td>
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<tr>
<td></td>
<td>Elective 3 hrs</td>
<td>GEP Social Foundation 3 hrs</td>
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<tr>
<td>Sophomore</td>
<td>ART 2300C Drawing Fundamentals I 3 hrs</td>
<td>ARH 2500 History of Non-Western Art 3 hrs</td>
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<tr>
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<td>ART 2823 Art as Interface 3 hrs</td>
<td>ART 2301C Drawing Fundamentals II 3 hrs</td>
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<tr>
<td></td>
<td>GEP Communication Foundation 3 hrs</td>
<td>GRA 2101C Introduction to Computer Art 3 hrs</td>
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<td>GEP Science Foundation 3 hrs</td>
<td>GEP Cultural &amp; Historical Foundation 3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>GEP Science Foundation 3 hrs</td>
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<tr>
<td>Junior</td>
<td>ART 3950 Portfolio Review 0 hrs</td>
<td>ARH 2050 History of Western Art I 3 hrs</td>
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<td></td>
<td>ARH Upper Level Restricted Elective 3 hrs</td>
<td>Restricted Elective 3 hrs</td>
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<tr>
<td></td>
<td>Foreign Language Elementary Level 1 4 hrs</td>
<td>Restricted Elective 3 hrs</td>
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<td></td>
<td>Specialization Restricted Elective 3 hrs</td>
<td>Specialization Restricted Elective 3 hrs</td>
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<tr>
<td></td>
<td>Any 2000-4000 Level Art Studio or Media Course 3 hrs</td>
<td>Upper Level Restricted Elective 3 hrs</td>
</tr>
<tr>
<td>Senior</td>
<td>ARH Upper Level Restricted Elective 3 hrs</td>
<td>ARH Upper Level Restricted Elective 3 hrs</td>
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<tr>
<td></td>
<td>Specialization Restricted Elective 3 hrs</td>
<td>Upper Level Restricted Elective 3 hrs</td>
</tr>
</tbody>
</table>

### 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.

### 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)

| A: Communication Foundations | 9 hrs |
| B: Cultural & Historical Foundations | 9 hrs |

#### Art - Studio Track (B.A.)

**College of Arts and Humanities**

**School of Visual Arts and Design,**

[Visual Arts Building, Room: 117](http://svad.cah.ucf.edu/)

**Email:** svadadvising@ucf.edu

**Phone:** 407-823-2676

Note: Although the School maintains a computer lab for student use, students must have continual access to a laptop computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

### Requirements
- 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.

### Notes
- 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.
## UCF Degree Programs

### Art History

- **Math:**
  - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics (3 hrs)
  - or
  - You may substitute a higher level math with appropriate scores on the Math Placement Test.

- **Statistics - Computers**
  - Select a course from GEP C 2 list (3 hrs)

- **D: Social Foundations**
  - (6 hrs)

- **E: Science Foundations**
  - (6 hrs)

### 2. Common Program Prerequisites (CPP)

- **ARH 2050 History of Western Art I** GEP (18 hrs)
- **ARH 2051 History of Western Art II** GEP
- **ART 2201C Design Fundamentals-Two Dimensional** (3 hrs)
- **ART 2203C Design Fundamentals-Three Dimensional** (3 hrs)
- **ART 2300C Drawing Fundamentals I** (3 hrs)
- **ART 2301C Drawing Fundamentals II** (3 hrs)
- **GRA 2101C Introduction to Computer Art** (3 hrs)
- Any ART 2XXX-4XXX studio or media course. (3 hrs)

### 3. Core Requirements: Basic Level

- **ARH 2500 History of Non-Western Art** (3 hrs)
- **ART 2823 Art as Interface** (3 hrs)
- **ART 3950 Portfolio Review** (0 hrs)

### 4. Core Requirements: Advanced Level

- **None**

### 5. Restricted Electives

- **(27 hrs)**
- Select nine upper division courses representative from at least three different areas:

#### Art History

- Any upper-level ARH course(s)

#### Book Arts

- **ART 3170C Book Binding** (3 hrs)
- **ART 3171C Materials for Artist Books** (3 hrs)
- **ART 3175C Advanced Issues in Contemporary Book Arts** (3 hrs)
- **ART 3176C The Illuminated Book** (3 hrs)
- **ART 3737C Narrative Sculpture** (3 hrs)
- **ART 4172C Book Repair and Restoration** (3 hrs)
- **ART 4173C The Artist Book** (3 hrs)
- **ART 4174C The Printed Book** (3 hrs)
- **ART 4177C Commercial Book Design and Publishing** (3 hrs)
- **ART 4644C Books Without Books** (3 hrs)

#### Ceramics

- **ART 3761C Intermediate Ceramics** (3 hrs)
- **ART 4783C Advanced Ceramics** (3 hrs)

#### Drawing and Printmaking

- **ART 3332C Intermediate Drawing** (3 hrs)
- **ART 3433C Screenprinting** (3 hrs)
- **ART 4320C Advanced Drawing** (3 hrs)
- **ART 4402C Advanced Printmaking** (3 hrs)

#### Illustration

- **GRA 3747C Intermediate Illustration I** (3 hrs)
- **GRA 4154C Advanced Illustration** (3 hrs)

#### Painting

- **ART 3504C Intermediate Painting** (3 hrs)
- **ART 4905C Advanced Painting** (3 hrs)

#### Photography

- **PGY 3410C Intermediate Photography** (3 hrs)
- **PGY 4420C Advanced Photography** (3 hrs)
- **PGY 4440C Special Problems in Photography** (3 hrs)

1. May be repeated for credit.

### Sculpture

- **ART 3709C Intermediate Sculpture** (3 hrs)
- **ART 4710C Advanced Sculpture** (3 hrs)

1. May be repeated for credit.

### Time Arts

- **ART 3161 Mixed Media** (3 hrs)
- **ART 3833C Processes and Ideas in Art** (3 hrs)
- **ART 4634C Web Art** (3 hrs)
- **ART 4710C Advanced Sculpture** (3 hrs)
- **ART 4750C Experimental Animation Workshop** (3 hrs)

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](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
- ARH 2050  History of Western Art I  3 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- GEP Cultural & Historical Foundation  3 hrs

#### Freshman Year - Spring
- ARH 2051  History of Western Art II  3 hrs
- ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
- ART 2823  Art as Interface  3 hrs
- ENC 1102  Composition II  3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs

#### Sophomore Year - Fall
- ARH 2500  History of Non-Western Art  3 hrs
- ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
- ART 2300C  Drawing Fundamentals I  3 hrs
- GEP Science Foundation  3 hrs
- GEP Social Foundation  3 hrs

#### Sophomore Year - Spring
- ART 2301C  Drawing Fundamentals II  3 hrs
- GRA 2101C  Introduction to Computer Art  3 hrs
- GEP Communication Foundation  3 hrs
- GEP Science Foundation  3 hrs
- GEP Social Foundation  3 hrs

#### Junior Year - Fall
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- ART 3950  Portfolio Review  0 hrs
- Foreign Language Elementary Level I  4 hrs
- Upper Level Elective  3 hrs
- Upper Level Elective  3 hrs
- Upper Level Elective  3 hrs

#### Junior Year - Spring
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Foreign Language Elementary Level II  4 hrs
- Upper Level Elective  3 hrs
- Upper Level Elective  3 hrs
- Upper Level Elective  3 hrs

#### Senior Year - Fall
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Upper Level Elective  3 hrs
- Upper Level Elective  3 hrs
- Upper Level Elective  3 hrs

#### Senior Year - Spring
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Upper Level Elective  3 hrs
- Upper Level Elective  3 hrs
- Any 2000-4000 Level Art Studio or Media Course  3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

### 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**


**Email:** svadadvising@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.

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**UCF Degree Programs**

**A:** Communication Foundations  (9 hrs)

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

Take all of the following:  (9 hrs)

- [ART 2823](http://www.oeas.ucf.edu/academiclearningcompacts.html)  Art as Interface  3 hrs
- [ARH 2500](http://www.oeas.ucf.edu/academiclearningcompacts.html)  History of Western Art I and II  3 hrs
- Select a course from group B.1  3 hrs

**C:** Mathematical Foundations  (6 hrs)

**Math:**  (3 hrs)

- [MGF 1106](http://www.oeas.ucf.edu/academiclearningcompacts.html)  Finite Mathematics or  3 hrs
- [MGF 1107](http://www.oeas.ucf.edu/academiclearningcompacts.html)  Explorations in Mathematics  3 hrs

- You may substitute a higher level math with appropriate scores on the Math Placement Exam.  3 hrs

**Statistics - Computers**  (3 hrs)

- Prefer [STA 1063C](http://www.oeas.ucf.edu/academiclearningcompacts.html)  Basic Statistics Using Microsoft Excel  3 hrs

**D:** Social Foundations  (6 hrs)

**E:** Science Foundations  (6 hrs)

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

- [ART 2201C](http://www.oeas.ucf.edu/academiclearningcompacts.html)  Design Fundamentals-Two Dimensional  3 hrs
- [ART 2203C](http://www.oeas.ucf.edu/academiclearningcompacts.html)  Design Fundamentals-Three Dimensional  3 hrs
- [ART 2300C](http://www.oeas.ucf.edu/academiclearningcompacts.html)  Drawing Fundamentals I  3 hrs
- [ART 2301C](http://www.oeas.ucf.edu/academiclearningcompacts.html)  Drawing Fundamentals II  3 hrs
- [ARH 2050](http://www.oeas.ucf.edu/academiclearningcompacts.html)  History of Western Art I  3 hrs
- [ARH 2051](http://www.oeas.ucf.edu/academiclearningcompacts.html)  History of Western Art II  3 hrs
- [GRA 2101C](http://www.oeas.ucf.edu/academiclearningcompacts.html)  Introduction to Computer Art  3 hrs
- [ART 2XXX-4XXX](http://www.oeas.ucf.edu/academiclearningcompacts.html)  Any ART prefix, studio, or media course  3 hrs

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

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1. See Transfer Notes for possible substitutes

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

- [ART 2823](http://www.oeas.ucf.edu/academiclearningcompacts.html)  Art as Interface  3 hrs
- [ARH 2500](http://www.oeas.ucf.edu/academiclearningcompacts.html)  History of Non-Western Art  3 hrs

**4. Core Requirements: Advanced Level**  (3 hrs)

- [GEB 3031](http://www.oeas.ucf.edu/academiclearningcompacts.html)  Integrated Business Foundations  3 hrs

1. Only required if the student intends to enroll in courses that require this as a pre-requisite

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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.
5. Restricted Electives (21 hrs)
   - Select restricted electives as required from each of these four areas of emphasis:
     - Aesthetics and Theory 6 hrs
       Select 2:
       - ARH 4450 20th Century Art or 3 hrs
       - ARH 3471 Art in the Last 25 Years or 3 hrs
       - ARH 3710 History of Photography I or 3 hrs
       - ARH 3711 History of Photography II or 3 hrs
       - ARH 3720 History of Prints or 3 hrs
       - ARH 4900 Theory and Criticism of the Visual Arts or 3 hrs
       - PHI 3800 Aesthetics 3 hrs
     - Written Communication 3 hrs
       Select 1:
       - ENT 3613 Creativity and Entrepreneurship or 3 hrs
       - MAR 3023 Marketing or 3 hrs
       - MAN 3025 Management of Organizations or 3 hrs
       - BUL 3130 Legal and Ethical Environment of Business 3 hrs
     - Information Management 6 hrs
       Select 2:
       - DIG 3525 Digital Media Production I or 3 hrs
       - DIG 3480C Computer as a Medium or 3 hrs
       - DIG 3716C Internet Interaction or 3 hrs
       - DIG 5565C Digital Asset Management Systems or 3 hrs
       - FIL 4040 Animation Film History for Non Film Majors 3 hrs

These courses may also be applied toward an 18 credit Minor in Technical Entrepreneurship.

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.
   - 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)
   - 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
- 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 need to be taken for the major.

Plan of Study

Freshman Year - Fall
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- GEB 3031 Integrated Business Foundations 3 hrs
- GEP Social Foundation 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- ART 2201C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs

Sophomore Year - Fall
- 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 2823 Art as Interface 3 hrs
- GEP Social Foundation 3 hrs

Junior Year - Fall
- GEB 3031 Integrated Business Foundations 3 hrs
- Foreign Language Elementary Level I 4 hrs
- USC 2041A Business Law I 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
The Art Education B.S. program offers students the option of two tracks: Art Education - Education Track and Art Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

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.
- 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.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

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.

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

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

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 Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Art Education B.S. program requires students to complete the following coursework:

Junior Year - Spring 19 hrs
Foreign Language Elementary Level II 4 hrs
Elective 3 hrs
Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Upper Level Elective 3 hrs
Upper Level Elective 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Upper Level Elective 3 hrs
Upper Level Elective 3 hrs

Senior Year - Spring 15 hrs
DIG 4855 Converging Media Capstone 3 hrs
Elective 3 hrs
Restricted Elective 3 hrs
Upper Level Elective 3 hrs
Upper Level Elective 3 hrs

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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.
- 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.
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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.
- 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.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

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.

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- Part-Time Student: $31.50 per term
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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.
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- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

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.
UCF Degree Programs

4. Core Requirements: Advanced Level (42 hrs)
- Education Track requires 54 semester hours
- Lifelong Learning Track requires 42 semester hours

Education Core Requirements 15 hrs
- Education Track requires 15 semester hours of Education Core Requirements
- Lifelong Learning Track requires 18 semester hours of Education Core Requirements

Education Core Requirements
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Lifelong Learning Track
- EXE 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

1 Prerequisite for Internship I (Education Track Only)

Education Track Specialization Requirements 24 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
- Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor's approval) 9 hrs

Internship I 3 hrs
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required art courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

Internship II 12 hrs
- All art courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Art K-12)] of the Florida Teacher Certification Examination (FTCE) are required 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/clinicalexpx/

5. Restricted Electives
- None

6. Capstone Requirements
- None

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
- Education Track requires 126 total semester hours
- Lifelong Learning Track requires 126 semester hours

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.
## Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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
- Education Track requires 126 total semester hours
- Lifelong Learning Track requires 120 semester hours
- 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
- The program of study will be affected by course offerings and availability. Please see the Art Education website at [http://education.ucf.edu/arted](http://education.ucf.edu/arted) for the advising policy.

### Freshman Year - Fall
- 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
- 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

### Sophomore Year - Fall
- ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
- BSC 1005  Biological Principles  3 hrs
- EDF 2058  Introduction to Diversity for Educators  3 hrs

### Sophomore Year - Spring
- GRA 2101C  Introduction to Computer Art  3 hrs
- ART 2300C  Drawing Fundamentals I  3 hrs
- EDF 2085  Introduction to Technology for Educators  3 hrs

### Select 1:
- STA 2014C  Principles of Statistics or  3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs

### Junior Year - Fall
- PSC 1121  Physical Science  3 hrs
- EEX 4242  Teaching Exceptional Students in Secondary Settings and Management  3 hrs
- MHS 2330  Career Planning  3 hrs
- EDP 2270  Adult Development & Learning  3 hrs

### Senior Year - Fall
- 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

### Education Track
- ARE 3452  Teaching Art in the Secondary School and  3 hrs
- ARE 4250  Art for Exceptionalities and  3 hrs
- ARE 4453  Studio Experiences in Art Education and Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)  3 hrs

### Lifelong Learning Track
- Choose a Lifelong Learning Specialization course  3 hrs

### Education Track Select 1:
- EDF 2130  Child and Adolescent Development for Educators or  3 hrs
- EDP 2270  Adult Development & Learning  3 hrs

### Senior Year - Spring
- TSL 4080  Theory and Practice of Teaching ESOL  3 hrs
- ART 2301C  Drawing Fundamentals II  3 hrs

### Junior Year - Summer
- ART 2794C  Beginning Ceramics  3 hrs

### Lifelong Learning Track
- Choose a Lifelong Learning Specialization course  3 hrs

### Senior Year - Fall
- ARE 4351  Teaching Art in the Elementary School and  3 hrs
- ARE 3940  Internship and  3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)  3 hrs

### Lifelong Learning Track 9 hrs
- Choose a Lifelong Learning Specialization course  3 hrs

### Education Track
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)  3 hrs

### Lifelong Learning Track 9 hrs
- Choose Lifelong Learning Specialization courses  9 hrs

### Senior Year - Spring
- EDF 4467  Learning Theory and Assessment  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- ART 2500C  Beginning Painting  3 hrs

### Lifelong Learning Track 6 hrs
- Choose Lifelong Learning Specialization courses  6 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### 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 and Public Affairs II, Room: 118/119
http://www.cohpa.ucf.edu/athletictraining
Email: atinfo@ucf.edu
Dr. Kristen C. Schellhase
Phone: 407-823-2214

Admission Requirements
- Students may only begin the Athletic Training Program in the Summer B semester.
- A separate application to this competitive restricted access program must be made to the Athletic Training Program by March 1st. Acceptance into the University for the summer semester is necessary before acceptance into the Athletic Training Program can occur. Acceptance into the University does not constitute acceptance into the Athletic Training Program.
- Students must meet the following requirements: a minimum of a 2.75 overall grade point average after all transfer courses are evaluated; a minimum grade of “C” (2.0) in the Common Program Prerequisites (CPP); and a minimum of 100 documented clock hours volunteering/shadowing with a certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a high school, college, and/or professional setting.
- Completion of an AA degree from a Florida College or completion of UCF's General Education Program (GEP) must occur before beginning the Athletic Training Program.
- The Athletic Training 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.

Technical Standards Requirement
- The Americans with Disabilities Act of 1990 provides comprehensive civil rights protection to people with disabilities. The ADA "prohibits all programs or activities receiving federal financial assistance from discrimination against individuals with disabilities who are 'otherwise qualified' to participate in those programs". However, there are essential requirements needed in order for a person to meet the standard of care for the athletic training profession and meet licensing/certification requirements. The Supreme Court has stated that physical qualifications could lawfully be considered as "technical standards(s) for admission".
- The institution/program may not exclude an ‘otherwise qualified’ applicant due to a disability if the institution/program can reasonably modify the program or facilities to accommodate the student with the disability. The institution/program is not required to “fundamentally alter” the program nor create an “undue burden” on itself.
- The Athletic Training Program at the University of Central Florida is a rigorous and intense program that places specific requirements and demands on students. 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 set forth by the Athletic Training Program establish the physical, cognitive, and attitudinal abilities considered necessary for an entry level athletic trainer. Further, the technical standards attempt to reflect the necessary skills and abilities needed to meet the expectations of the Program’s accrediting agency (Commission on Accreditation of Athletic Training Education, or CAATE) and the Board of Certification (BOC(c)) Practice Analysis.
- The following abilities and expectations must be met by all students admitted to and matriculating through the UCF Athletic Training Program:
  1. Students must possess the mental capacity (without assistance from an intermediary) to integrate, synthesize, analyze, and problem solve in order to effectively examine and treat patients with injuries and illnesses. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  2. Students must possess sufficient cognitive, postural and neuromuscular control, sensory function, ambulation, and coordination to perform appropriate patient examinations and interventions using accepted techniques, as well as accurately, safely, and efficiently use equipment and materials for such purposes. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  3. Students must annually pass examinations by external entities such as CPR for the Professional Rescuer (or similar certification) and OSHA Bloodborne Pathogens Training.
  4. Students must possess the ability to communicate (orally and in writing) 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/document judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  5. Students must be able to document appropriate vaccinations applicable to healthcare professionals and maintain appropriate personal hygiene conducive to the classroom and clinical setting.
  6. Students must have the capacity to maintain composure, exercise good judgment, and perform within the standard of care for a student of the same educational level during periods of high stress.
- Applicants to the Athletic Training Program will be required to verify that they understand and meet the above technical standards or that they believe that, with certain accommodations, they can meet these standards.
- The University of Central Florida’s Student Disability Services will evaluate a student who states he/she could meet the Program’s technical standards with accommodation(s) and confirm that the stated condition qualifies as a disability under applicable laws. A review of the following will occur: whether the accommodation(s) requested is reasonable; whether accommodation would jeopardize clinician-patient safety; and whether the accommodation will jeopardize the educational process of the student (including all coursework, clinical experiences, and internships deemed essential to graduation). Compliance with the Program’s technical standards does not guarantee a student’s eligibility for the BOC(c) certification exam. Students with a concern, should contact the BOC(c) for the specific technical standards needed to take the certification examination (bocatc.org).

Degree Requirements
- Students who are accepted into the Program in Athletic Training must adopt the most current catalog.
- Accepted students must agree to be available for practicum requirements which may occur during times and which are outside of the UCF Academic Calendar; once admitted into the Athletic Training Program, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflict.
The courses designated in sections 1 and 2 below may be taken at any Florida College System or State University System institution, and should usually be completed in the first 60 hours.

Graduates are eligible to apply to take the Board of Certification (BOC(c)) 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 Athletic Training Program.

1. UCF General Education Program (GEP) (38 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)

2. Common Program Prerequisites (CPP) (15 hrs)
   - Required: BSC 2010C Biology I
   - Select 1: 3 hrs
     - Suggested: CHM 1032 General Chemistry
     - Suggested: CHM 2045C Chemistry Fundamentals
   - Required: PSY 2012 General Psychology
   - Select 1: 4 hrs
     - Required: BSC 2010C Biology I
     - Select: 1 hr
       - Suggested: SPC 2001 Biology A
     - Required: PHY 2053C College Physics I
     - Select: 1 hr
       - Required: PHY 2048C Physics for Engineers I

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (62 hrs)

   Professional Phase
   - The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of "C" (2.0) or better.
   - ATR 4014C Principles of Athletic Training Lab 3 hrs
   - ATR 3102 Principles of Athletic Training 3 hrs
   - ATR 3012C Clinical Skills for Athletes I 3 hrs
   - ATR 3812L Practicum in Athletic Training I 4 hrs
   - ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
   - PET 4315C Biomechanics of Sport 3 hrs
   - ATR 4382L Practicum in Athletic Training II 4 hrs
   - ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs
   - ATR 3013C Clinical Skills for Athletes II 3 hrs
   - ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs
   - ATR 4302C Therapeutic Modalities in Athletic Training 4 hrs
   - ATR 4512C Organization and Administration of Athletic Training 3 hrs
   - PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs
   - ATR 4315C Advanced Rehabilitation in Athletic Training 3 hrs
   - ATR 4832L Practicum in Athletic Training III 4 hrs
   - PET 4606 Applied Fitness in Sport 3 hrs
   - ATR 4842L Practicum in Athletic Training IV 4 hrs
   - ATR 4103 Case Studies in Sports Medicine 3 hrs
   - ATR 4933 Athletic Training Seminar 1 hr
   - ATR 4112L Acute Care in Athletic Training 1 hr

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - None
   - 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.

   ATR 4940 Athletic Training Elective Internship 0 hrs

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum overall GPA of 2.75
    - 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.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A 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
   - Qualified students are encouraged to participate in Honors in the Major. Interested students should consult with the Program Director.

Related Programs
   - Sport and Exercise Science
   - Health Services Administration
   - Health Informatics and Information Management
   - Health Sciences - Pre-Clinical Track

Certificates
   - None

Related Minors
   - Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.
   - Business
   - Aging Studies
   - Biology
   - Coaching
   - Fitness Training
   - Health Informatics and Information Management
   - Health Sciences
   - Health Services Administration
   - Public Administration
   - Education
   - Sport Business Management

Advising Notes
   - Students should consult a departmental advisor regarding chemistry selection. CHM 2045 is the preferred chemistry course for students who intend to apply to graduate professional healthcare programs (e.g., physical therapy, physician assistant, medical).
UCF Degree Programs

Transfer Notes
- When possible, students should complete an Associate of Arts (AA) degree and the Common Program Prerequisites (CPP) before transferring within the Florida College System or State University System.
- Students who transfer with an Associate of Arts (AA) degree and will be pursuing a Bachelor of Science degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses
- The Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) requirements can be satisfied by taking: both Human Anatomy and Physiology I and Human Anatomy and Physiology II (BSC X093 + L and X094 + L; or BSC X085 + L/C and X086 + L/C); or by taking both PET X322C and PET X323C; or by taking both APK X100C and APK X105C.
- Biology I with Lab (BSC X010 and BSC X010L; or BSC X010C)
- Physics I with Lab (PHY X053; or PHYX048 and X048L; or PHY X048C)
- For Athletic Training Program purposes, Fundamentals of Human Nutrition (HUN X201) will be seen as equivalent to HUN X201, HUN X941, HUN X002, and HSCX577.
- For Athletic Training Program purposes, Statistical Methods I (STA 2023) will be seen as equivalent to STA X023, STA X122, and STA X201.
- General Psychology (PSY X012)

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
1 CHM 2045C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring 13 hrs
ENC 1102 Composition II 3 hrs
GEP Social 2 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
GEP Historical 3 hrs

Sophomore Year - Spring 16 hrs
HUN 2201 Fundamentals of Human Nutrition 3 hrs
PCB 3703C Human Physiology 4 hrs
GEP Communication 3 hrs
GEP Cultural 3 hrs
GEP Historical 3 hrs

Sophomore Year - Summer 6 hrs
ATR 4014C Principles of Athletic Training Lab 3 hrs
ATR 3102 Principles of Athletic Training 3 hrs
Foreign Language (If not satisfied in high school) 4 hrs

Junior Year - Fall 10 hrs
ATR 3812L Practicum in Athletic Training I 4 hrs
ATR 3012C Clinical Skills for Athletic Trainers I 3 hrs
ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
Free Elective (if needed to maintain full-time status) 3 hrs

Junior Year - Spring 13 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 3 hrs

Junior Year - Summer 8 hrs
ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs
ATR 4023C Therapeutic Modalities in Athletic Training 4 hrs
ATR 4940 Athletic Training Elective Internship 0 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 12 hrs
ATR 4933 Athletic Training Seminar 1 hr
PET 4066 Applied Fitness in Sport 3 hrs
ATR 4842L Practicum in Athletic Training IV 4 hrs
ATR 4103 Case Studies in Sports Medicine 3 hrs
ATR 4112L Acute Care in Athletic Training 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/academiclearningcompacts.html

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
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 Department of Biology.
- 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 Biology 2 hrs
- 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
1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required SPG 1603C Fundamentals of Technical Presentations

C: Mathematical Foundations (6 hrs)
- Note: Prior to enrolling in Math, take Math Placement Test at http://utc.sdes.ucf.edu/math/
- Required MAC 2323 Concepts of Calculus or 3 hrs
- Required MAC 2253 Applied Calculus or 3 hrs
- Preferred MAC 2311C Calculus with Analytic Geometry I 4 hrs

Statistics
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (9 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required BSC 2011C Biology II 4 hrs
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPG 1603C Fundamentals of Technical Presentations

2. Common Program Prerequisites (CPP) (16 hrs)

- Note: a minimum grade of “C” (2.0) is required for this Biology course to be used as a course prerequisite.
- Prior to enrolling in Chemistry, take Chemistry Placement Test at http://knightsource.sdes.ucf.edu/placement
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- Required CHM 2040 Chemistry Fundamentals IA and 3 hrs
- Required CHM 2041 Chemistry Fundamentals IB 3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

- Students planning on entering professional or graduate school may wish to take additional Calculus courses.
- Required MAC 2233 Concepts of Calculus or 3 hrs
- Required MAC 2253 Applied Calculus or 3 hrs
- Preferred MAC 2311C Calculus with Analytic Geometry I 4 hrs

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2040 Chemistry Fundamentals IA and 3 hrs
- Required CHM 2041 Chemistry Fundamentals IB 3 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- Required CHM 2040 Chemistry Fundamentals IA and 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

- Biology:
  - Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow the use of a course prerequisite.
  - CHM 2210 Organic Chemistry I and 3 hrs
  - CHM 2211 Organic Chemistry II and 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs

- Chemistry:
  - CHM 2045C Chemistry Fundamentals I 4 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

- Physics:
  - PHY 2053C College Physics I and 4 hrs
  - PHY 2054C College Physics II 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.
## UCF Degree Programs

- 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

**Environmental**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</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>
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<tr>
<td>BOT 4223C</td>
<td>Plant Anatomy or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BOT 4303C</td>
<td>Plant Physiology or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BOT 4503</td>
<td>Genetics Laboratory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3033L</td>
<td>1 hr</td>
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<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>
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<td>PCB 4514</td>
<td>Genetics II or</td>
<td>3 hrs</td>
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<tr>
<td>PCB 4524</td>
<td>Molecular Biology II or</td>
<td>3 hrs</td>
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<tr>
<td>PCB 4678</td>
<td>Evolution and Medicine or</td>
<td>3 hrs</td>
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<tr>
<td>PCB 4683L</td>
<td>Evolutionary Biology Lab or</td>
<td>1 hr</td>
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<tr>
<td>PCB 4684</td>
<td>Population Genetics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4723</td>
<td>Animal Physiology or</td>
<td>4 hrs</td>
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<tr>
<td>PCB 5335</td>
<td>Population Genetics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3713C</td>
<td>Comparative Vertebrate Anatomy or</td>
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<td>ZOO 3733C</td>
<td>Human Anatomy or</td>
<td>4 hrs</td>
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<td>ZOO 4603C</td>
<td>Embryology/Development or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4735C</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.

### Systematic

**Complete a minimum of one lecture course**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANT 350C</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>EBY 4004C</td>
<td>General Entomology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EBY 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 Metazoa or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4310C</td>
<td>Vertebrate Evolution &amp; Ecology or</td>
<td>4 hrs</td>
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<td>ZOO 4480</td>
<td>Mammalogy or</td>
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<tr>
<td>ZOO 5458C</td>
<td>Ichthyology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 5463C</td>
<td>Herpetology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 5475L</td>
<td>Field Ornithology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

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

#### Graduation

- None

### 8. Electives

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

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives 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.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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

#### Related Minors

- Biology
- Environmental Studies
- Biomedical Sciences
### Advising Notes
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

### Transfer Notes
- Lower division courses 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.

#### 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  3 hrs

#### Senior Year - Fall
- 16 hrs
  - PCB 4683  Evolutionary Biology  4 hrs
  - Restricted Elective  4 hrs
  - GEP  3 hrs
  - Elective  3 hrs

#### Senior Year - Spring
- 16 hrs
  - Restricted Elective  4 hrs
  - GEP  3 hrs
  - Elective  3 hrs

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### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeyes.ucf.edu/academiclearningcompacts.html](http://www.oeyes.ucf.edu/academiclearningcompacts.html)

### 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](http://www.cos.ucf.edu/biology)

#### Email: biology@ucf.edu

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)

C: Mathematical Foundations (7 hrs)

- Mathematics:

- Note: Prior to enrolling in Math, take Math Placement Test - http://utcm.sdes.ucf.edu/math/
- Required 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)

- Note: a minimum grade of "C" (2.0) is required for this Biology course to be used as a prerequisite.
- Required BSC 2010C Biology I 4 hrs

Select the sequence identified by the Chemistry Placement exam;

- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test - http://knightsource.sdes.ucf.edu/placement
- 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:

- Note: a minimum grade of "C" (2.0) is required in these Biology courses to allow their use as a prerequisite. While a lower grade may satisfy the CPP, it will not satisfy the major.
  - BSC 2010C Biology I and 4 hrs
  - BSC 2011C Biology II and GEP

- Chemistry:

- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test before starting chemistry; http://knightsource.sdes.ucf.edu/placement
  - CHM 2045C Chemistry Fundamentals I and GEP

- Math:

- Note: a minimum grade of "C" (2.0) is required in these Math courses to allow their use as a prerequisite.
  - MAC 2311C Calculus with Analytic Geometry I and GEP
  - STA 2023 Statistical Methods I and GEP

- Physics:

- Note: a minimum grade of "C" (2.0) is required in these Physics courses to allow their use as a prerequisite.
  - 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 (8 hrs)

- Note: Certain courses must be selected 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 and 4 hrs
  - CHM 2045C Chemistry Fundamentals I and 4 hrs
  - CHM 2046 Chemistry Fundamentals II and 4 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory and 1 hr

- Math:

- Note: a minimum grade of "C" (2.0) is required in these Math courses to satisfy the requirement, and to allow their use as a course prerequisite.
  - MAC 2311C Calculus with Analytic Geometry I and 4 hrs
  - MAC 2311C Calculus with Analytic Geometry II and 4 hrs

- Physics:

- Note: a minimum grade of "C" (2.0) is required in these Physics courses to satisfy the requirement, and to allow their use as a course prerequisite.
  - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
  - PHY 2049C Physics for Engineers and Scientists II and 4 hrs

4. Core Requirements: Advanced Level (13 hrs)

- Note: Certain courses must be selected in the proceeding Common Program Prerequisites section of this catalog are also required in the Advanced Core, and must be taken along with the following:

Advanced 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.
  - 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

- Math:

- Note: a minimum grade of "C" (2.0) is required in these Math courses to satisfy the requirement, and to allow their use as a course prerequisite.
  - MAC 2311C Calculus with Analytic Geometry I and 4 hrs
  - MAC 2311C Calculus with Analytic Geometry II and 4 hrs

- Physics:

- Note: a minimum grade of "C" (2.0) is required in these Physics courses to satisfy the requirement, and to allow their use as a course prerequisite.
  - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
  - PHY 2049C Physics for Engineers and Scientists II and 4 hrs

5. Restricted Electives (22 hrs)

The following is a suggested subset of the Biology Restricted Electives which may be more appropriate for many professional schools.

- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.

Form/Function

Complete a minimum of one lecture course 3 hrs from this group.

Because of the large number of courses taught in other departments, students must ensure they complete the required hours to be taken within the UCF Biology Department.

6. Capstone Requirements

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.

BCH 4053  Biochemistry I or 3 hrs
BCH 4054  Biochemistry II or 3 hrs
1 PCB 3063L  Genetics Laboratory or 1 hr
PCB 3233  Immunology or 3 hrs
PCB 3703C  Human Physiology or 4 hrs
1 PCB 4514  Genetics II or 3 hrs
1 PCB 4678  Evolution and Medicine or 3 hrs
2 PCB 4723  Animal Physiology or 4 hrs
2 ZOO 3713C  Comparative Vertebrate Anatomy or 5 hrs
ZOO 3733C  Human Anatomy or 4 hrs
2 ZOO 4603C  Embryology/Development or 5 hrs
ZOO 4753C  Vertebrate Histology 4 hrs

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

Environmental

Complete a minimum of one lecture course 3 hrs from this group.

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

1 Fulfills Botany requirement. Offered in Biology department.

Systematic

Complete a minimum of one lecture course 3 hrs from this group.

ANT 3550C  Primatology or 3 hrs
MCB 3020C  General Microbiology or 5 hrs
2 ZOO 4205C  Biology and Ecology of Metazoa or 4 hrs
Invertebrates or
1 ZOO 4310C  Vertebrate Evolution & Ecology 4 hrs

1 Fulfills Zoology requirement. Offered in Biology 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

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-Health and Pre-Law 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:

MAB 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.

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://knightsource.sdes.ucf.edu/placement

Prior to enrolling in Math, take Math Placement Test – http://utc.sdes.ucf.edu/math/
UCF Degree Programs

- 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 2040L  Chemistry Fundamentals Laboratory  1 hr
May be taken in a later term if seats are not available. Math course 4 hrs
ENC 1102  Composition II  3 hrs

Sophomore Year - Fall 16 hrs
CHM 2210  Organic Chemistry I  3 hrs
PCB 3044  Principles of Ecology  3 hrs
MAC 2311C  Calculus with Analytic Geometry I  4 hrs
STA 2023  Statistical Methods I  3 hrs
GEP  3 hrs

Sophomore Year - Spring 15 hrs
CHM 2211  Organic Chemistry II  3 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs
May be taken in a later term if seats are not available. PCB 3063 Genomics 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 and 4 hrs
PCB 3023  Molecular Cell Biology  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
GEP  3 hrs

Junior Year - Spring 14 hrs
PHY 2049C  Physics for Engineers and Scientists II  4 hrs
PCB 4683  Evolutionary Biology  4 hrs
Restricted Elective  3 hrs
GEP  3 hrs

Senior Year - Fall 15 hrs
Restricted Elective  4 hrs
Restricted Elective  4 hrs
GEP  3 hrs
Free Elective  2 hrs

Senior Year - Spring 14 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Free Elective  4 hrs
Free Elective  3 hrs

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 in the Molecular and Cellular Biology or Molecular and Microbiology tracks must maintain a minimum GPA of 3.2 for courses in sections 2-5. Students who are unable to maintain such GPA must revert back into the non-track Biomedical Sciences B.S.
- 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 (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)
     - Required STA 2023 Statistical Methods I 3 hrs
     - Select 1: 3 hrs
       - Suggested MAC 2311C Calculus with Analytic Geometry I or 4 hrs
       - Suggested MAC 2253 Applied Calculus 3 hrs
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (8 hrs)
     - Required BSC 2010C Biology I 4 hrs
     - 1 Required CHM 2045C Chemistry Fundamentals I 4 hrs

1 or CHM 2040 and CHM 2041

2. Common Program Prerequisites (CPP) (24 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
     - BSC 2010C Biology I 4 hrs
     - 1 BSC 2011C Biology II 4 hrs
     - 2 CHM 2045C Chemistry Fundamentals I 4 hrs
     - CHM 2046 Chemistry Fundamentals II 3 hrs
     - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
     - MAC 2311C Calculus with Analytic Geometry I 4 hrs
     - STA 2023 Statistical Methods I 3 hrs
     - CHM 2210 Organic Chemistry I 3 hrs
     - CHM 2211 Organic Chemistry II 3 hrs
     - CHM 2211L Organic Laboratory Techniques I 2 hrs

Select one of the following sequences of courses:
- PHY 2053C College Physics I and 4 hrs
- PHY 2054C College Physics II 4 hrs
- or
- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

1 This course is substituted with BSC 3403C.
2 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level
   - Biomedical Science (Non-Track) 25 hrs
   - The following core courses are for students completing the general Biomedical Science degree.

Life Sciences 22 hrs
- MCB 3020C General Microbiology 5 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs

Select 1: 3 hrs
- MCB 4414 Microbial Metabolism or 3 hrs
- MCB 4410 Cellular Metabolism 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $24.85 per term
- Full-Time Student: $49.70 per term

Biomedical Sciences (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Admission Requirements
- None
Select one of the following sequences of courses:

PCB 4280 Molecular Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr
or
PCB 3233 Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr

Chemistry 3 hrs

BCH 4053 Biochemistry I 3 hrs

Biomedical Science (Track Option) 34 hrs

Students in the Molecular Microbiology and Molecular

Cell Biology Tracks must complete the following courses in addition to completing 12 hours in their track core

listed below.

BSC 3403C Quantitative Biological Methods 4 hrs
MCB 3020C General Microbiology 5 hrs
BCH 4053 Biochemistry I 3 hrs
PCB 3322 Molecular Biology I 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 4280 Molecular Immunology 3 hrs
PCB 4524 Molecular Biology II 3 hrs

Molecular Microbiology Track Core 12 hrs

MCB 4204 Cellular Microbiology: Host-Pathogen 3 hrs
MCB 4404 Bacterial Genetics and Physiology 3 hrs
MCB 4201 Microbial Stress Response 3 hrs
MCB 4414 Microbial Metabolism 3 hrs

Molecular and Cellular Biology Track Core 12 hrs

MCB 4410 Cellular Metabolism 3 hrs
PCB 4529C Experimental Molecular Cell Biology 4 hrs
PCB 4286 Molecular and Cellular Pharmacology 3 hrs
PCB 4234 Cancer Biology 3 hrs

1 Including lab

5. Restricted Electives

Biomedical Science (Non-Track) Electives 23 hrs

Select a minimum of seven (7) courses from the list

below. At least two must have 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 may only select two (2) of the following BCH

4054, BCH 4103L, PCB 3063, PCB 4514, ZOO 4603C.

1 BCH 4054 Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
BOT 4434C General Microbiology 4 hrs
BSC 3424 Nanobiotechnology 3 hrs
BSC 4434 Biomedical Informatics: Sequence Analysis 3 hrs
BSC 4439 Biomedical Informatics: Structure Analysis 3 hrs
MCB 3202 Principles of Infectious Disease 3 hrs
MCB 3203 Pathogenic Microbiology 3 hrs
MCB 4404 Bacterial Genetics and Physiology 3 hrs
MCB 4114C Determinative & Systemic Microbiology 4 hrs
MCB 4207 Infectious Processes 3 hrs
MCB 4204 Cellular Microbiology: Host-Pathogen 3 hrs

1 MCB 4276 Epidemiology of Infectious Diseases 3 hrs
1 MCB 4512 Molecular Biotechnology 3 hrs
1 MCB 4503C Virology 3 hrs
1 MCB 4603 Environmental Microbiology 3 hrs
1 MCB 4721C Methods in Biotechnology 4 hrs
1 MCB 4970H Honors Undergraduate Thesis II 3 hrs
1 MCB 5221 Molecular Biology of Disease 3 hrs
1 MCB 5654 Applied Microbiology 3 hrs
1 MCB 5932 Current Topics in Molecular Biology 3 hrs
1 MLS 3305 Hematology 3 hrs
1 MLS 4334 Hemostasis 3 hrs
1 MLS 4430C Clinical Parasitology 3 hrs
1 MLS 4505C Immunodiagnosics 3 hrs
1 MLS 4625 Advanced Clinical Chemistry I 3 hrs
1 MLS 4630 Advanced Clinical Chemistry II 3 hrs
1 PCB 3063 Genetics 3 hrs
1 PCB 3703C Human Physiology 4 hrs
1 PCB 4028 Molecular and Cellular Pharmacology 3 hrs
1 PCB 4135 Applied Molecular Cell Biology 3 hrs
1 PCB 4174 Foundation of Bio-Imaging Science 3 hrs
1 PCB 4234 Cancer Biology 3 hrs
1 PCB 4264 Stem Cell Biology 3 hrs
1 PCB 4284 Immunobiology 3 hrs
1 PCB 4514 Genetics II 3 hrs
1 PCB 4521 Tissue Engineering 3 hrs
1 PCB 4529C Experimental Molecular Cell Biology 4 hrs
1 PCB 4708L Laboratory Virtual Simulations in Physiology 3 hrs
1 PCB 4805 Endocrinology 3 hrs
1 PCB 4806 Human Gross Anatomy & Dissection 3 hrs
1 PCB 4833 Advanced Human Physiology 3 hrs
1 PCB 4843 Cellular and Molecular Neuroscience 3 hrs
1 PCB 5236 Cancer Biology 3 hrs
1 PCB 5275 Signal Transduction Mechanics 3 hrs
1 ZOO 3701C Human Gross Anatomy & Dissection 3 hrs
1 ZOO 3733C Human Anatomy 4 hrs
1 ZOO 3744 Neurobiology 3 hrs
1 ZOO 3755C Introductory Histology 4 hrs
1 ZOO 4603C Embryology/Development 5 hrs
1 ZOO 4655 Human Clinical Embryology and Congenital 3 hrs
1 ZOO 4742 Advanced Neurobiology 3 hrs
1 ZOO 4743C Clinical Neuroanatomy and Neuroscience 4 hrs
1 ZOO 4747C Clinical Neuroscience 4 hrs
1 ZOO 4753C Vertebrate Histology 4 hrs
1 ZOO 5754C Essentials of Neuroanatomy 4 hrs

1 Recommended for Preprofessional students
2 Students must take MCB 3203L Pathogenic Microbiology Lab in order for the combination to count as 1 restricted elective.

Molecular Microbiology Track Electives 11 hrs

Students must choose three (3) courses from the list

below:

At least two (2) must have a laboratory component

BSC 4434 Biomedical Informatics: Sequence Analysis 3 hrs
MCB 3202 Principles of Infectious Disease 3 hrs
MCB 3203 Pathogenic Microbiology 3 hrs
MCB 4207 Infectious Processes 3 hrs
MCB 4276 Epidemiology of Infectious Diseases 3 hrs
MCB 4503C Virology 3 hrs
MCB 4603 Environmental Microbiology 3 hrs
MCB 4721C Methods in Biotechnology 4 hrs
MCB 5654 Applied Microbiology 3 hrs
PCB 4028 Molecular and Cellular Pharmacology 3 hrs
PCB 5238 Immunobiology 3 hrs

An additional elective course can be chosen from either

the list above or from the broader list of electives shown

under Biomedical Science (Non-Track) Electives.

1 Must also choose MCB 3203L Pathogenic Microbiology Lab

Molecular and Cellular Biology Track Electives10 hrs

Students must choose three (3) electives from the list

below:

At least one (1) must have a laboratory component

BSC 4434 Biomedical Informatics: Sequence Analysis 3 hrs
MCB 4721C Methods in Biotechnology 4 hrs
MCB 5225 Molecular Biology of Disease 3 hrs
PCB 3703C Human Physiology 4 hrs
PCB 4174 Foundation of Bio-Imaging Science 3 hrs
PCB 4264 Stem Cell Biology 3 hrs
PCB 4521 Tissue Engineering 3 hrs
PCB 4663 Human Genetics 3 hrs
PCB 4813 Molecular Aspects of Obesity, Diabetes &

Metabolism 3 hrs
PCB 5238 Immunobiology 3 hrs
PCB 5275 Signal Transduction Mechanics 3 hrs
ZOO 3744 Neurobiology 3 hrs

An additional elective course can be chosen from either

the list above or from the broader list of electives shown

under Biomedical Science (Non-Track) 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.
UCF Degree Programs

Graduation
- None

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- Molecular Microbiology and Molecular and Cellular Biology track students must complete all coursework in the baccalaureate curriculum as shown and earn a GPA of at least 3.2 for all coursework in the sciences.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

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

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following course with a grade of B or better (4 credits):
  
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits):
  - MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs
- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

Certificates
- None

Related Minors
- Biology
- Chemistry

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a 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 2011C Biology II 4 hrs
- may be substituted with: BSC 3403C 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2040 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2041 4 hrs

Plan of Study

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- 1 MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs

1 or follow math sequence determined by Math Placement Exam

Freshman Year - Spring 14 hrs
- ENC 1102 Composition II 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

Sophomore Year - Fall 14 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- GEP 3 hrs

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

Sophomore Year - Spring 15 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 3403C Quantitative Biological Methods 4 hrs
- GEP 3 hrs
- Restricted Elective or Elective 3 hrs

Select 1:
- CHM 2211L Organic Laboratory Techniques I or 2 hrs
- Elective 3 hrs

Sophomore Year - Summer 9 hrs
- Restricted Elective or Elective 3 hrs
- Elective 3 hrs

Select 1:
- CHM 2211L Organic Laboratory Techniques I or 2 hrs
- Elective 3 hrs

Junior Year - Fall 13 hrs
- PCB 3522 Molecular Biology I 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Select 1:
- PHY 2053C College Physics I or 4 hrs
- 1 PHY 2045C Physics for Engineers & Scientists I 4 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

Junior Year - Spring 13 hrs
- PCB 4524 Molecular Biology II 3 hrs
- Restricted Elective 3 hrs

Select 1:
- PHY 2054C College Physics II or 4 hrs
- 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1:
- PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

Senior Year - Fall 12 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Select 1:
- MCB 4414 Microbial Metabolism or 3 hrs
- BCH 4053 Biochemistry I 3 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites
Select 1: 3 hrs
PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
PCB 3233 or Restricted Electrolyte 3 hrs

Senior Year - Spring 12 hrs
Restricted Electrolyte 3 hrs
Restricted Electrolyte 3 hrs
GEP 3 hrs

Select 1: 3 hrs
BOH 4053 Biochemistry I or 3 hrs
MCB 4414 Microbial Metabolism 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oais.ucf.edu/academiclearningcompacts.html
- Equipment Fees
  - Part-Time Student: $39 per term
  - Full-Time Student: $78 per term

Biomedical Sciences - Preprofessional Concentration (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, 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 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 and the Office of Pre-Health and Pre-Law Advising.

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
Preferred SPC 1003C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
Required CGS 1060C Introduction to Computers or 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
Required BSC 2010C Biology I 4 hrs
Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I GEP
1 BSC 2011C Biology II 4 hrs
1 CHM 2045C Chemistry Fundamentals I GEP
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311C Calculus with Analytic Geometry I GEP

Select one of the following sequences of courses:

PHY 2053C College Physics I and 4 hrs
PHY 2054C College Physics II 4 hrs
or
PHY 2048C Physics for Engineers & Scientists I and 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

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 2233 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
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

Select one of the following sequences of courses:

PCB 4280 Molecular Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr
or
PCB 3233 Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr

Select 1: 3 hrs
MCB 4414 Microbial Metabolism or 3 hrs
MCB 4410 Cellular Metabolism 3 hrs

Chemistry

5. Restricted Electives

7 courses minimum
- Seven (7) courses from below, from which 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 restricted elective requirement.
- Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:
  - Students cannot choose more than two (2) of the following restricted electives: BCH 4054, BCH 4103L, PCB 3063, PCB 4514, ZOO 4603C.

BCH 4054 Biochemistry II 3 hrs
MCB 3202 Principles of Infectious Disease 3 hrs
1 MCB 3203 Pathogenic Microbiology 3 hrs
MCB 4207 Infectious Processes 3 hrs
MCB 4276 Epidemiology of Infectious Diseases 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
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
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits):
  - MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs

- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

Certificates

- None

Related Minors

- Biology
- Chemistry

Advising Notes

- None

Transfer Notes

- Students who begin a two semester sequence course (e.g. General Chemistry) at a 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 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- BSC 3403C Honors Quantitative Biological Methods 4 hrs
- May be substituted with: BSC 3403C
- May be substituted with: CHM 2040
- May be substituted with: CHM 2041

Plan of Study

Freshman Year - Fall
- ENC 1101  Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- 1 MAC 2311C Calculus with Analytic Geometry I 4 hrs
- SLS 2311C Overview of Select Medical Careers 2 hrs
- GEP 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- 1 CHEM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 5 hrs
- CHM 3020C General Microbiology 5 hrs
- GEP 3 hrs

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

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- GEP 3 hrs
- Restricted Elective or Elective 3 hrs

Select 1: 3 hrs
- CHM 2211L Organic Laboratory Techniques I or 2 hrs
- Elective 3 hrs

Sophomore Year - Summer
- Restricted Elective or Elective 3 hrs
- Elective 3 hrs

1 or follow math sequence determined by Math Placement Exam

UNIVERSITY OF CENTRAL FLORIDA
### Biotechnology (B.S.)

**College of Medicine**  
**Burnett School of Biomedical Sciences**  
**Department of Molecular and Microbiology**  
**Health and Public Affairs II, Room: 335**  
**http://www.biomed.ucf.edu**  
**Email: bssadvising@ucf.edu**  
Dr. Griffith Parks, 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

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### UCF Degree Programs

**Program Academic Learning Compacts**  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  [http://www.oead.ucf.edu/academiclearningcompacts.html](http://www.oead.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**  
- Part-Time Student: $39 per term  
- Full-Time Student: $78 per term

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#### Biotechnology (B.S.)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I or</td>
</tr>
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<td>Elective</td>
<td>2 hrs</td>
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<tr>
<td>Select 1:</td>
<td>3 hrs</td>
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</tbody>
</table>

**Junior Year - Fall**  
- PCB 3522 Molecular Biology I  
- GEP  
- Restricted Elective  
- Select 1:  
  - PHY 2053C College Physics I or  
  - 4 hrs  

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

**Junior Year - Spring**  
- PCB 4524 Molecular Biology II  
- Restricted Elective  
- Select 1:  
  - PHY 2049C Physics for Engineers & Scientists I or  
  - 4 hrs  

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

**Senior Year - Fall**  
- GEP  
- Restricted Elective  
- Select 1:  
  - MCB 4414 Microbial Metabolism or  
  - 3 hrs  

1 See Transfer Notes for possible substitutions.

2 This course is substituted with BSC 3403C.

**Senior Year - Spring**  
- PCB 3233 and PCB 4280 Molecular Immunology or  
- 4 hrs  

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

---

### 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  
- Grades below “C” in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.

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

   **A: Communication Foundations**  
   - Required ENC 1101 Composition I  
   - Required ENC 1102 Composition II  
   - Preferred SPC 1603C Fundamentals of Technical Presentations  
   - (3 hrs)

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

   **C: Mathematical Foundations**  
   - Required STA 2023 Statistical Methods I  
   - (3 hrs)

   **Select 1:**  
   - (4 hrs)

   **D: Social Foundations**  
   - (6 hrs)

   **E: Science Foundations**  
   - Required CHM 2045C Chemistry Fundamentals I  
   - Required BSC 2010C Biology I  
   - (4 hrs)

2. **Common Program Prerequisites (CPP)**  
   - (21 hrs)

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

   **BSC 2010C** Biology I or  
   - (10 hrs)

   **1 BSC 2011C** Biology II or  
   - (4 hrs)

   **1 CHM 2045C** Chemistry Fundamentals I or  
   - (4 hrs)

   **CHM 2046** Chemistry Fundamentals II  
   - (3 hrs)

   **CHM 2210** Organic Chemistry I  
   - (3 hrs)

   **CHM 2211** Organic Chemistry II  
   - (3 hrs)

   **STA 2023** Statistical Methods I or  
   - (3 hrs)

   **MAC 2311C** Calculus with Analytic Geometry I or  
   - (4 hrs)

   **PHY 2053C** College Physics I or  
   - (4 hrs)

   **PHY 2054C** College Physics II or  
   - (4 hrs)

3. **Core Requirements: Basic Level**  
   - None

4. **Core Requirements: Advanced Level**  
   - (52 hrs)

   **Life Sciences**  
   - MCB 3020C General Microbiology  
   - (5 hrs)

   - 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 4135 Applied Molecular Cell Biology  
   - (3 hrs)

   - PCB 4174 Foundation of Bio-Imaging Science  
   - (3 hrs)

   **Select one of the following sequences of courses:**

   - PCB 4280 Molecular Immunology and  
   - (3 hrs)

   - PCB 3233L Immunology Laboratory  
   - (1 hr)

   or  
   - PCB 3233L Immunology Laboratory  
   - (1 hr)

   **Select 1:**  
   - (3 hrs)

   **Chemistry**  
   - BCH 4053 Biochemistry I  
   - (3 hrs)

   - CHM 2046L Chemistry Fundamentals Laboratory  
   - (1 hr)

   - CHM 2211L Organic Laboratory Techniques I  
   - (2 hrs)
UCF Degree Programs

Physics
Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053C College Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2054C College Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2048C Physics for Engineers &amp; Scientists I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2049C Physics for Engineers and Scientists II</td>
<td>4</td>
</tr>
</tbody>
</table>

Math
Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2253 Applied Calculus</td>
<td>GEP</td>
</tr>
</tbody>
</table>

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 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.

6. Capstone Requirements
- None

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

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives
- A minimum of 20 hours must be taken at UCF in the department of the major
- Students will be required to pass a comprehensive test during their last semester

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded

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

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution
- Complete the following with a grade of B or better:
  - BSC 3403C Honors Quantitative Biological Methods | 4 hrs
  - MCB 4970H Honors Undergraduate Thesis I | 3 hrs

Related Programs
- Biology
- Chemistry
- Medical Laboratory Sciences
- Biomedical Sciences

Certificates
- None

Related Minors
- Biology
- Chemistry
- Biomedical Sciences

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a 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 X333 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 may be substituted with BSC 3403C
- CHM 2045C Chemistry Fundamentals I may be substituted with CHM 2040
- CHM 2045C Chemistry Fundamentals II may be substituted with CHM 2041

Plan of Study

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tr>
<td>ENC 1101 Composition I</td>
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</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4</td>
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</tbody>
</table>

Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2010C Biology I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

1 or follow math sequence determined by Math Placement Exam
Sophomore Year - Fall
CHM 2210 Organic Chemistry I 3 hrs
MCB 3020C General Microbiology 5 hrs
GEP 3 hrs

Select 1: 3 hrs
STA 2023 Statistical Methods I or
CIS 1000C Introduction to Computers 3 hrs

Sophomore Year - Spring
CHM 2211 Organic Chemistry II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
GEP 3 hrs
Restricted Elective or Elective 3 hrs

Select 1: 3 hrs
CHM 2211L Organic Laboratory Techniques I or
Elective 3 hrs

Sophomore Year - Summer
9 hrs
Restricted Elective or Elective 3 hrs
Elective 3 hrs

Select 1: 3 hrs
CHM 2211L Organic Laboratory Techniques I or
Elective 3 hrs

Junior Year - Fall
PCB 3522 Molecular Biology I 3 hrs
MCB 4720 Industrial Perspectives Seminar 3 hrs
GEP 3 hrs

Select 1: 4 hrs
PHY 2053C College Physics I or
1 PHY 2048C Physics for Engineers & Scientists I 4 hrs

1 *Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311C/2312 as prerequisites.

Junior Year - Spring
15 hrs
PCB 4524 Molecular Biology II 3 hrs
PCB 4280 Molecular Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 4529C Experimental Molecular Cell Biology 4 hrs

Select 1: 4 hrs
PHY 2054C College Physics II or
1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

1 *Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311C/2312 as prerequisites.

Senior Year - Fall
MCB 4721C Methods in Biotechnology 4 hrs
MCB 4312 Molecular Biotechnology 3 hrs

Select 1: 3 hrs
BCH 4053 Biochemistry I or
MCB 4414 Microbial Metabolism 3 hrs

Senior Year - Spring
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.oeps.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Chemistry (B.S.)

College of Sciences

Department of Chemistry,
Physical Sciences, Room: 255
http://chemistry.cos.ucf.edu/
Email: pedro.patino@ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Chemistry majors are discouraged from taking courses as a transient student at a 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.
  - For 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
  * Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311C/2312 as prerequisites.
    - MCB 3020C General Microbiology 5 hrs
    - MCB 4720 Industrial Perspectives Seminar 3 hrs
    - Restricted Elective 3 hrs
    - Free Elective 3 hrs
  - 1. UCF General Education Program (GEP) (39 hrs)
    - Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36
**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)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Prefer STA 2023 Statistical Methods I 3 hrs

### C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Select from the following courses: 3 hrs
  - 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
  - PHY 2049C Physics for Engineers and Scientists II and GEP

### D: Social Foundations (6 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 3 hrs
- Prefer PHY 2049C Physics for Engineers and Scientists II 3 hrs

### E: Science Foundations (8 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 3 hrs
- Select from the following courses: 3 hrs
  - PHY 2049C Physics for Engineers and Scientists II 3 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://knightsource.sdes.ucf.edu/placement

Select either:
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- and complete all the following
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MAC 2311C Calculus with Analytic Geometry I and GEP
- MAC 2312 Calculus with Analytic Geometry II and CPP
- PHY 2048C Physics for Engineers & Scientists I and GEP
- PHY 2049C Physics for Engineers and Scientists II and GEP

### 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 4 hrs
  - or 6 hrs
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs
- and complete all the following
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MAC 2311C Calculus with Analytic Geometry I and GEP
- MAC 2312 Calculus with Analytic Geometry II and CPP
- PHY 2048C Physics for Engineers & Scientists I and GEP
- PHY 2049C Physics for Engineers and Scientists II and GEP

### Core: Additional requirements
- BSC 2010C Biology I 4 hrs
- 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 3215L Organic Laboratory Techniques II 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4610L Inorganic Chemistry Laboratory 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
- CHM 4912 Directed Independent Research 4 hrs
- CHM 4930 Chemistry Seminar I 1 hr
- CHM 4931 Chemistry Seminar II 1 hr

### 5. Restricted Electives (6 hrs)
Select from the following courses: 6 hrs
- BCH 4054 Biochemistry II 3 hrs
- CHM 4220 Organic Chemistry III 3 hrs
- CHM 5225 Advanced Organic Chemistry 3 hrs
- CHM 5235 Applied Molecular Spectroscopy 3 hrs
- CHM 5450 Polymer Chemistry 3 hrs
- CHM 5451C Techniques in Polymer Science 3 hrs
- CHM 5580 Advanced Physical Chemistry 3 hrs
- CHS 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
- A 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.
Sophomore Year - Spring 14 hrs

Freshman Year - Fall 15 hrs

Freshman Year - Spring 14 hrs

Sophomore Year - Fall 14 hrs

Sophomore Year - Spring 14 hrs

Program Academic Learning Compacts

Equipment Fees

Chemistry - Biochemistry Track (B.S.)

College of Sciences

Department of Chemistry,
Physical Sciences, Room: 255
http://www.cos.ucf.edu/chemistry
Email: pedro.patino@ucf.edu

Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements

None

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

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

Students should consult with a departmental advisor before registering.

Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level 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. Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.

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 Math, you must take Math Placement Test ~ http://knightsource.sdes.ucf.edu/placement
Before registering for Math, you must take Math Placement Test ~ http://knightsource.sdes.ucf.edu/placement

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

Freshman Year - Spring

Sophomore Year - Fall

Sophomore Year - Spring

Chemistry - Biochemistry Track (B.S.)
UCF Degree Programs

AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

1. UCF General Education Program (GEP) (39 hrs)

Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

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

B: Cultural & Historical Foundations (9 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Prefer STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Prefer STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
Select either:
CHM 2045C Chemistry Fundamentals I 4 hrs
- or
CHM 2040 Chemistry Fundamentals IA and
CHM 2041 Chemistry Fundamentals IB 3 hrs
- and complete all the following 24 hrs
CHM 2046 Chemistry Fundamentals II and 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I and 2 hrs
MAC 2311C Calculus with Analytic Geometry I and 4 hrs
MAC 2312 Calculus with Analytic Geometry II and 4 hrs
PHY 2048C Physics for Engineers & Scientists I and 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (10 hrs)
All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
Select either:
CHM 2045C Chemistry Fundamentals I CPP
- or
CHM 2040 Chemistry Fundamentals IA and CPP
CHM 2041 Chemistry Fundamentals IB CPP
- and
CHM 2046 Chemistry Fundamentals II and CPP
CHM 2046L Chemistry Fundamentals Laboratory and CPP
CHM 2210 Organic Chemistry I and CPP
CHM 2211 Organic Chemistry II and CPP
CHM 2211L Organic Laboratory Techniques I and CPP
MAC 2311C Calculus with Analytic Geometry I and GEP/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 CPP

Basic Core: Additional Requirements 10 hrs
BSC 2010C Biology I and GEP
CHM 3120 Analytical Chemistry and 3 hrs
CHM 3120L Analytical Chemistry Laboratory and 1 hr
CHM 3215L Organic Laboratory Techniques II and 2 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
- and either
STA 2023 Statistical Methods I or GEP
STA 1063C Basic Statistics Using Microsoft Excel GEP

4. Core Requirements: Advanced Level (37 hrs)

Select from the following:
BCH 4033 Biochemistry I 3 hrs
BCH 4054 Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
CHM 3410 Physical Chemistry I 4 hrs
CHM 3411 Physical Chemistry II 3 hrs
CHM 3411L Physical Chemistry Laboratory 2 hrs
CHM 4610 Inorganic Chemistry 3 hrs
CHM 4912 Directed Independent Research 4 hrs
CHM 4930 Chemistry Seminar I 1 hr
CHM 4931 Chemistry Seminar II 1 hr
MCB 3020C General Microbiology 5 hrs
PCB 3023 Molecular Cell Biology 3 hrs
PCB 3063 Genetics 3 hrs

5. Restricted Electives (10 hrs)

One of the following may be used as a Restricted Elective:
CHM 4220 Organic Chemistry III or 3 hrs
CHM 5225 Advanced Organic Chemistry 3 hrs

Additional physical, biological, and mathematical sciences courses.
In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.
These courses should be at least at the 3000 level.

6. Capstone Requirements
None

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

8. Electives
Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
Achieve at least a "C" (2.0) grade in each UCF Chemistry course used to satisfy the major.
The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
Grades earned in the following courses will not be applied in the determination of the Chemistry GPA:
CHM 4912 Directed Independent Research 4 hrs
CHM 4930 Chemistry Seminar I 1 hr
CHM 4931 Chemistry Seminar II 1 hr

10. Required Minors
None

11. Departmental Exit Requirements
Students are required to take a nationally normed test in chemistry and biochemistry during their last semester.
The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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**

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<tr>
<th>Semester</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Freshman Year - Fall</td>
<td>14 hrs</td>
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<tr>
<td>Sophomore Year - Fall</td>
<td>16 hrs</td>
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<tr>
<td>Junior Year - Fall</td>
<td>16 hrs</td>
</tr>
<tr>
<td>Senior Year - Fall</td>
<td>16 hrs</td>
</tr>
<tr>
<td>Sophomore Year - Spring</td>
<td>14 hrs</td>
</tr>
<tr>
<td>Junior Year - Spring</td>
<td>13 hrs</td>
</tr>
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</table>

**Acceptable Substitutes for Transfer Courses**
- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

**Plan of Study**
- This is one of numerous possible plans of study.
- See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test: [http://knightsource.sdes.ucf.edu/placement](http://knightsource.sdes.ucf.edu/placement)
- Prior to enrolling in Math, take Math Placement Test: [http://knightsource.sdes.ucf.edu/placement](http://knightsource.sdes.ucf.edu/placement)
- 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>
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<tr>
<td>CHM 2045C</td>
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<tr>
<td>MAC 2311C</td>
<td>4 hrs</td>
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<tr>
<td>BSC 2010C</td>
<td>4 hrs</td>
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<tr>
<td>ENC 1101 I</td>
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**Freshman Year - Spring**

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<th>Hours</th>
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<tbody>
<tr>
<td>CHM 2046</td>
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</tr>
<tr>
<td>CHM 2046L</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2312</td>
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**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CHM 2210</td>
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<tr>
<td>PHY 2048C</td>
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<tr>
<td>MAC 2313</td>
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<tr>
<td>Statistics</td>
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**Sophomore Year - Spring**

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<tbody>
<tr>
<td>CHM 2211</td>
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<tr>
<td>CHM 2211L</td>
<td>2 hrs</td>
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<tr>
<td>CHM 3120</td>
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<tr>
<td>CHM 3120L</td>
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<tr>
<td>PHY 2049C</td>
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<tr>
<td>PCB 3063</td>
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**Junior Year - Fall**

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<tbody>
<tr>
<td>BCH 4053</td>
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<tr>
<td>CHM 3215L</td>
<td>2 hrs</td>
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<tr>
<td>PCB 3023</td>
<td>3 hrs</td>
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<tr>
<td>GEPE</td>
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**Senior Year - Fall**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CHM 4410</td>
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<tr>
<td>CHM 4912</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 4930</td>
<td>1 hr</td>
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<tr>
<td>Restricted Elective</td>
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<td>Restricted Elective</td>
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**Senior Year - Spring**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CHM 4931</td>
<td>1 hr</td>
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<tr>
<td>CHM 4411</td>
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<tr>
<td>CHM 4411L</td>
<td>2 hrs</td>
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<tr>
<td>CHM 4610</td>
<td>3 hrs</td>
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<tr>
<td>CHM 4912</td>
<td>2 hrs</td>
</tr>
<tr>
<td>GEPE</td>
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**Civil Engineering (B.S.C.E.)**

**Civil Engineering, Engineering II, Room: 211**

**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 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 in the term of completion of the final pending prerequisite course(s) listed above.
UCF Degree Programs

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 4 Advanced Core Requirements, and section 6 Capstone Requirements.
- Students in the Civil Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Civil Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Civil Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Civil Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Civil Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Civil Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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 two courses from Historical Foundations 6 hrs
- Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one class from Social Foundation Group 1 3 hrs
- Select one class from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Prefer GEO 1200 Physical Geography 3 hrs

Select one of the following sequences of courses:
- Preferred course
  CHS 1440 Principles of Chemistry 4 hrs
- or - First alternative: Select all of the following:
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs
- or - Second alternative
  CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
- EGS 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)
- Take 3 from the following:
  CEG 4011C Geotechnical Engineering I 4 hrs
  CES 4100C Structural Analysis I and Lab 4 hrs
  CWR 4633C Water Resources Engineering I 3 hrs
  TTE 4274 Transportation Engineering Systems 3 hrs

Select 3:
- CES 4702 Reinforced Concrete Structures 3 hrs

1 A “C” (2.0) or better is required in each course.
5. Restricted Electives

- Some students may need to take technical electives to satisfy hour shortages because of transfer status. Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

- Senior Design Courses
  - CGN 4080C CECE Capstone Design 3 hrs

Design Specialization 3 hrs

- CEG 4801C Geotechnical Engineering Design or 3 hrs
- CEE 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

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.

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 transferred must be formally evaluated for equivalency credit. The student must provide all supporting information (course syllabus) with his/her petition for this evaluation.
- EGS 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 14 hrs

- ENC 1101 Composition I 3 hrs
- GEP 6 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr

Freshman Year - Spring 14 hrs

- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3613 Engineering Economic Analysis 2 hrs

Sophomore Year - Fall 14 hrs

- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHS 1440 Principles of Chemistry 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 16 hrs

- MAP 2302 Ordinary Differential Equations I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- GEP 3 hrs

Sophomore Year - Summer 9 hrs

- ENV 3001 Introduction to Environmental Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- GEP 3 hrs

Junior Year - Fall 17 hrs

- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CGN 3700C Civil Engineering Measurements 4 hrs

Junior Year - Spring 17 hrs

- GEP 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- CWR 4632C Water Resources Engineering I 4 hrs
- TTE 3810 Highway Engineering 3 hrs

Senior Year - Fall 15 hrs

- CES 4605 Steel Structures 3 hrs
- ENV 4531 Environmental Engineering Operations & Processes I 3 hrs

Discipline Depth 6 hrs

- CEG 4012 Geotechnical Engineering II or 3 hrs
- CWR 4633C Water Resources Engineering II or 3 hrs
Program Academic Learning Compacts
   • Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
   • Part-Time Student: $43 per term
   • Full-Time Student: $85 per term

Communication & Conflict (B.A.)

Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. James McCafferty, james.mccafferty@ucf.edu
Phone: 407-823-2681
Nicholson Academic Student Services, nassc@ucf.edu

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 may be used in this major with prior advisor approval.
   • Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
   • Students must consult with a school advisor.
   • School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
   • All prerequisites of courses taught within the College of Sciences will be enforced.
   • Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Select 1:
   Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
   Required SPC 1603C Fundamentals of Technical Presentations or 3 hrs
   Required COM 1000 Introduction to Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Statistics: 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.

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   SPC 1608 Fundamentals of Oral Communication or GEP
   SPC 1603C Fundamentals of Technical Presentations or GEP

3. Core Requirements: Basic Level (3 hrs)
   Speech
   Select 1:
   SPC 1608 Fundamentals of Oral Communication or GEP
   SPC 1603C Fundamentals of Technical Presentations or GEP
   COM 1000 Introduction to Communication or GEP

Statistics
   STA 2014C Principles of Statistics or GEP

Computer Science
   Select 1:
   CGS 1060C 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 or 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

Take all of the following:
   COM 3801 Communication Theories of Interpersonal Conflict or 3 hrs
   COM 3800 Conflict Communication Research Methods or 3 hrs
   COM 4804 Conflict & Communication Context or 3 hrs
   COM 3802 Communication & Conflict or 3 hrs

5. Restricted Electives (21 hrs)

Internal Restricted Electives: 15 hrs
   • Select from the following list:
   COM 3120 Organizational Communication or 3 hrs
   COM 4461 Intercultural Communication or 3 hrs
   COM 4805 Transformative Communication or 3 hrs
   COM 4803 Third Party Processes & Intervention or 3 hrs
   PUR 4400 Crisis Communication or 3 hrs
   RTV 4403 Electronic Media, Technology, and Society or 3 hrs
   PUR 4000 Public Relations or 3 hrs
   COM 4014 Gender Issues in Communication or 3 hrs
   COM 4941 Internship or 1 hr

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:
   COM 4941 Internship or 1 hr
   COM 4906 Directed Independent Study or 1 hr
   SPC 4949 Cooperative Education or 0 hrs
   COM 4949 Cooperative Education or 0 hrs

Select 1:
   ENC 3315 Argumentative Writing or 3 hrs
   ENC 3311 Essay as Cultural Commentary or 3 hrs
   ENC 3250 Professional Writing or 3 hrs
   ENC 3314 Writing in the University or 3 hrs
   ENC 3321 Writing for the Technical Professional or 3 hrs
   Other upper division COM or SPC courses with prior approval of department advisor.

External Restricted Electives: 6 hrs
   • A minimum of six upper division credit hours with NSC advisor approval selected from courses in Business, Legal Studies, Psychology, Public Administration, or other related areas, or courses within the Nicholson School of Communication but outside of the Human Communication area (i.e. Advertising-Public Relations, Journalism, or Radio-Television) not specified as restricted internal electives above.

6. Capstone Requirements (3 hrs)
   COM 4806 Communication & Conflict Case Studies or 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. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

8. Electives
- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a "C" (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- 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.

Freshman Year - Fall 13 hrs
- ENC 1102 Composition I 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
- COM 1000 Introduction to Communication 3 hrs

Sophomore Year - Spring 15 hrs
- COM 3311 Communication Research Methods 3 hrs
- COM 3801 Communication Theories of Interpersonal Conflict 3 hrs
- COM 3800 Conflict Communication Research Methods 3 hrs
- GEP 3 hrs
- Elective (Consider a minor) 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs
- External Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective Internship 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

Senior Year - Fall 12 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

Senior Year - Spring 13 hrs
- COM 4806 Communication & Conflict Case Studies 3 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.oeas.ucf.edu/academiclearningcompacts.html

Communication Sciences and Disorders
(B.A. / B.S.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/cesd
Email: csdundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
UCF Degree Programs

- 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.
- Students must earn at least a “C-” (1.75) in each prerequisite course, core course, restricted elective, and B.A./B.S. elective.
- Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

Select 1:
- Required STA 2043C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Required PSY 2012 General Psychology 3 hrs

2. Common Program Prerequisites (CPP)
   STA 2043C Principles of Statistics GEP
   BSC 1005 Biological Principles
   PSY 2012 General Psychology GEP
   PHY, PSC or CHM

Required PHY, PSC, or CHM course listed in GEP E. 3 hrs
Required PSY 2012 General Psychology 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (56 hrs)

Core Requirements (53 hrs)
- DEP 2034C Developmental Psychology 3 hrs
- STA 3471 Communication Disorders in Literature and Media 3 hrs
- STA 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
- LIN 3716L Language Development Lab 2 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 4475 Speech Disorders Across the Lifespan 3 hrs
- SPA 4052 Audiology 3 hrs
- SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
- SPA 4440 Language Disorders Across the Life Span 3 hrs
- LIN 3713 Language Science 3 hrs
- SPA 4870C Capstone Course 3 hrs
- SPA 4326 Hearing Disorders Across the Lifespan 3 hrs

Select 1:
- EAB 3703 Principles of Behavior Modification or
- EEX 4601 Introduction to Behavior Management or
- EEC 4604 Classroom Management and Guidance of Young Children or
- EDF 3303 Learning Environments and Guidance for Young Children or
- SPA 3472 Guidance of Young Children with Communication Disorders or
- EEX 3450 Young Children with Special Needs 3 hrs

Statistics Requirement (3 hrs)
- Students have two options for completing this requirement:
  - Option 1:
    - STA 2023 Statistical Methods I and GEP
    - STA 4163 Statistical Methods II 3 hrs
  - Option 2:
    - STA 2043C Principles of Statistics and GEP
    - SPA 4803 Research Methods in Communication 3 hrs

5. Restricted Electives (9 hrs)
   - An additional nine credit hours of upper division course work in Communication Sciences and Disorders selected from a list provided in the CSD Department or in consultation with a CSD undergraduate advisor.

B.A./B.S. Option:
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.
- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

6. Capstone Requirements
   - SPA 4870C Capstone Course 3 hrs

7. Foreign Language Requirements

Admissions
- 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.
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

Graduation
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

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

Certificates
- None

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- BSC 1005 Biological Principles 3 hrs
- Free Elective 3 hrs
- GEP Cultural 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

#### Sophomore Year - Fall
- GEP Communication 3 hrs
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- Free Elective 3 hrs
- GEP Historical 3 hrs
- GEP Math 3 hrs

#### Sophomore Year - Spring
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- SPA 3112 Basic Phonetics 3 hrs
- SPA 3112L Basic Phonetics Lab 1 hr
- Foreign Language I (B.A.) or Health Sciences (B.S.) elective 3 hrs

#### Select 1:
- EAB 3703C Principles of Behavior Modification or 3 hrs
- EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
- EEX 3450 Young Children With Special Needs or 3 hrs
- EEX 4601 Introduction to Behavior Management or 3 hrs
- EEX 4604 Classroom Management and Guidance of Young Children or 3 hrs
- SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs

#### Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

#### Sophomore Year - Summer
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- Foreign Language II (B.A.) or Health Sciences (B.S.) elective 3 hrs
- Free Elective 3 hrs

#### Junior Year - Fall
- 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

#### 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
- Restricted Elective 3 hrs

#### Senior Year - Spring
- SPA 4326 Hearing Disorders Across the Lifespan 3 hrs
- SPA 4870C Capstone Course 3 hrs
- Free Elective 3 hrs

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

#### Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35 per term

### Computer Engineering (B.S.Cp.E.)

#### Department of Electrical Engineering and Computer Science
- Science, Harris Corp. Engineering Center, Room: 346
- Email: undergraduate@eecs.ucf.edu
- Dr. Samuel Richie
- Charlese Hilton-Brown
- Diane D’Avanzo
- 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 2311C, 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 in the term of completion of the final pending prerequisite course(s) listed above.

#### Degree Requirements
- Students in the Computer Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
UCF Degree Programs

- Students in the Computer Engineering major are expected to make consistent good progress toward their degrees to remain enrolled, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Computer Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Computer Engineering major will be subject to all probation conditions that applied at the time of exclusion. 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.

1. UCF General Education Program (GEP)

- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida 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 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 or 3 hrs
- Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Select one class from Social Foundations 3 hrs

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

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida public secondary schools and may be transferred directly to UCF programs. To enroll in CP&E major courses, a 2.0 (C or better) in each course is required for those course indicated.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- 1 MAC 2311C Calculus with Analytic Geometry I GEP
- 1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
- 1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
- 1 MAP 2302 Ordinary Differential Equations I 3 hrs
- 1 PHY 2048C Physics for Engineers & Scientists I GEP
- 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1: 4 hrs
- 1 CHS 1440 Principles of Chemistry or 4 hrs
- 1 CHM 2054C Chemistry Fundamentals I 4 hrs
- 1 A “C” (2.0) or better is required in this course.
- 2 Preferred

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

- EGS 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (57 hrs)
- Engineering Core 6 hrs
- Required EGN 3310 Engineering Analysis-Statistics 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP

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
- Required EEL 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)
- Required 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 residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Mathematics
- Physics

Certificates

- None

Related Minors

- Information Technology
- 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.
- 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 transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 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 (128 hrs)

- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall

- 15 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP-Historical Foundation 3 hrs
- Select 1: 3 hrs

Select 1:

- 1 SPC 1603C Fundamentals of Technical Presentations 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall

- 17 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- ENC 3121 Engineering Analysis and Computation 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- GEP-Historical Foundation 3 hrs

Sophomore Year - Spring

- 15 hrs
- EEL 3004C Electrical Networks 3 hrs
- COP 3503C Computer Science II 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- ECE 3307C Electronics I 4 hrs

Select 1:

- 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Fall

- 16 hrs
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- ECE 3307C Electronics I 4 hrs

Select 1:

- 3 hrs
- ECE 1102C Composition II 3 hrs
- ENC 1102C Composition I 3 hrs

Senior Year - Fall

- 15 hrs
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Select 1:

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

Senior Year - Spring

- 12 hrs
- COP 4600 Operating Systems 3 hrs
- EEL 4915L Senior Design II 3 hrs
- EEL 4781 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.oears.ucf.edu/academiclearningcompacts.html

Equipment Fees

- Part-Time Student: $42 per term
- Full-Time Student: $84 per term
Computer Science (B.S.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Email: undergraduate@eecs.ucf.edu

Dr. Ali Orooji
Jenny Shen
Julie Farris
Phone: 407-823-2341

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 2-5.

• Students in the Computer Science major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Science who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.

• Students in the Computer Science major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Science who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Computer Science who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

• A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Computer Science major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (39 hrs)

A: Communication Foundations (9 hrs)

Required

ENC 1101 Composition I 3 hrs

ENC 1102 Composition II 3 hrs

Select 1: 3 hrs

Preferred

SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Required

MAC 2311C Calculus with Analytic Geometry I 4 hrs

MAC 2312 Calculus with Analytic Geometry II 4 hrs

PHY 2048C Physics for Engineers & Scientists I 4 hrs

PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 2: 6 hrs

Preferred

BSC 2010C Biology I 4 hrs

BSC 2011C Biology II or 4 hrs

CHM 2045C Chemistry Fundamentals I or 4 hrs

CHM 2046 Chemistry Fundamentals II or 3 hrs

PHY 3101 Physics for Engineers and Scientists III 3 hrs

C: Mathematical Foundations (7 hrs)

Required

MAC 2311C Calculus with Analytic Geometry I 4 hrs

Select 1: 3 hrs

COT 3100C Introduction to Discrete Structures 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Required

Prefer

BSC 2010C Biology I 4 hrs

Prefer

PHY 2048C Physics for Engineers & Scientists I 4 hrs

Prefer

PHY 2049C Physics for Engineers and Scientists II 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 3223C Introduction to Programming with C 3 hrs

MAC 2311C Calculus with Analytic Geometry I GEP

MAC 2312 Calculus with Analytic Geometry II GEP

PHY 2048C Physics for Engineers & Scientists I GEP

PHY 2049C Physics for Engineers and Scientists II GEP

Select 2: 6 hrs

• 4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.

BSC 2010C Biology I or GEP

BSC 2011C Biology II or 4 hrs

CHM 2045C Chemistry Fundamentals I or 4 hrs

CHM 2046 Chemistry Fundamentals II or 3 hrs

PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1: 3 hrs

• ENC 3241 Writing for the Technical Professional or 3 hrs

• ENC 3250 Professional Writing 3 hrs

3. Core Requirements: Basic Level (24 hrs)

• A “C” (2.0) or better is required in all courses in this area.

• A “C” (2.0) or better is required in all courses in this area.

STB 2023 Statistical Methods I or 3 hrs

COP 3330 Object Oriented Programming 3 hrs

COP 3502C Computer Science I 3 hrs

COP 3503C Computer Science II 3 hrs

CDA 3103C Computer Logic and Organization 3 hrs

COT 3100C Introduction to Discrete Structures 3 hrs

CIS 3360 Security in Computing 3 hrs

COP 3402 Systems Software 3 hrs

COT 3960 CS Foundation Exam 0 hrs

Select 1: 3 hrs

• ENC 3241 Writing for the Technical Professional or 3 hrs

• ENC 3250 Professional Writing 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.

COP 4331C Processes for Object-Oriented Software Development 3 hrs

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)

• A “C” (2.0) or better is required in all courses in this area.

4000-5000 level Computer Science courses 9 hrs

• 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. This requirement is waived for second degree seeking students.

### 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
- None.

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

### Total Semester Hours Required
- 120

### Honors in Major
- None

### Related Programs
- Computer Engineering
- Information Technology

### Certificates
- None

### Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology

### Advising Notes
- The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

### Transfer Notes
- Courses 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 (13 hrs)
- **ENC 1101**: Composition I (3 hrs)
- **SPC 1603C**: Fundamentals of Technical Presentations (3 hrs)
- **COP 3223C**: Introduction to Programming with C (3 hrs)
- **MAC 2311C**: Calculus with Analytic Geometry I (4 hrs)

#### Freshman Year - Spring (12 hrs)
- **ENC 1102**: Composition II (3 hrs)
- **COT 3100C**: Introduction to Discrete Structures (3 hrs)
- **COP 3502C**: Computer Science I (3 hrs)
- **CDA 3103C**: Computer Logic and Organization (3 hrs)
- **MAC 2312**: Calculus with Analytic Geometry II (4 hrs)
- **COP 3330**: Object Oriented Programming (3 hrs)

#### Sophomore Year - Fall (13 hrs)
- **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)

#### Sophomore Year - Spring (13 hrs)
- **COP 4331C**: Processes for Object-Oriented Software Development (3 hrs)
- **PHY 2049C**: Physics for Engineers and Scientists II (4 hrs)
- **CIS 3360**: Security in Computing (3 hrs)

#### Select 1:
- **ENC 3241**: Writing for the Technical Professional (3 hrs)
- **ENC 3250**: Professional Writing (3 hrs)

#### Sophomore Year - Summer (6 hrs)
- **STA 2023**: Statistical Methods I (3 hrs)
- **GEP**: (3 hrs)

#### Junior Year - Fall (13 hrs)
- **EEL 4768**: Computer Architecture (3 hrs)
- **COP 4020**: Programming Languages I (3 hrs)
- **BSC 2010C**: Biology I (4 hrs)
- **GEP**: (3 hrs)

#### Junior Year - Spring (13 hrs)
- **COP 4020**: Programming Languages I (3 hrs)
- **CHM 2045C**: Chemistry Fundamentals I (3 hrs)
- **Math/Stat Restricted Elective**: (3 hrs)
- **CS Restricted Elective**: (3 hrs)

#### Junior Year - Summer (3 hrs)
- **COT 4210**: Discrete Structures II (3 hrs)

#### Senior Year - Fall (16 hrs)
- **CS Restricted Elective**: (3 hrs)
- **GEP**: (3 hrs)
- **Free Elective**: (4 hrs)
- **COP 4934**: Senior Design I (3 hrs)
- **Multicultural Elective**: (3 hrs)

#### Senior Year - Spring (12 hrs)
- **CS Restricted Elective**: (3 hrs)
- **GEP**: (3 hrs)
- **Math/Stat Restricted Elective**: (3 hrs)
- **COP 4935**: Senior Design II (3 hrs)

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oead.ucf.edu/academiclearningcompacts.html](http://www.oead.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $28 per term
- Full-Time Student: $57 per term
UCF Degree Programs

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. Oluofa, amr.oloufa@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, 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 in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
- The College of Engineering requires all 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 4 Advanced Core Requirements, and section 6 Capstone Requirements.
- Students in the Construction Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Construction Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Construction Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Construction Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Construction Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Construction Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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
- 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 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.

Select one of the following sequences of courses:
- Preferred course
  - 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

or - First alternative: Select both of the following:
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs

or - Second alternative
  - CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
- EGS 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (60 hrs)
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
**UCF Degree Programs**

**Civil Engineering**
- Environmental Engineering

**Certificates**
- None

**Related Minors**
- Mathematics
- Engineering Leadership
- Business

**Advising Notes**
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

**Transfer Notes**
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 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**

**Freshman Year - Fall**
- EN 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- EGN 1007C Introduction to the Engineering Profession 1 hr

**Freshman Year - Spring**
- EN 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

**Sophomore Year - Fall**
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHS 1440 Principles of Chemistry 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 and 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 Analysis-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

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1. **EGN 3613 Engineering Economic Analysis** 2 hrs
2. **ENV 3001 Introduction to Environmental Engineering** 3 hrs
3. **CWR 3201 Engineering Fluid Mechanics** 3 hrs
4. **CCE 4003 Introduction to the Construction Industry** 3 hrs
5. **CCE 4034 Construction Estimating and Scheduling** 3 hrs
6. **CCE 4813 Mechanical and Electrical Systems for Buildings** 4 hrs
7. **CCE 4402 Construction Equipment and Productivity** 3 hrs
8. **CCE 4004 Construction Methods** 3 hrs
9. **CGN 3501C Civil Engineering Materials** 3 hrs
10. **CGN 3700C Civil Engineering Measurements** 4 hrs
11. **CWR 4632C Water Resources Engineering I** 4 hrs
12. **ACG 2071 Principles of Managerial Accounting** 3 hrs
13. **CES 4100C Structural Analysis I and Lab** 4 hrs

**Structural Depth**
- CES 4605 Steel Structures or 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs

**Additional Area Depth Sequence**
- Geotechnical Engineering
  - 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

8. **Electives**
- None

9. **Additional Requirements**
- Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

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

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CCE 4813  Mechanical and Electrical Systems for Buildings  4 hrs
STA 3032  Probability and Statistics for Engineers  3 hrs

Junior Year - Spring 16 hrs
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 13 hrs
CCE 4910C  Construction Design Project  3 hrs
CWR 4632C  Water Resources Engineering I  4 hrs
Approved Technical Elective  3 hrs

Select 1: 3 hrs
CGE 4011C  Geotechnical Engineering I or  4 hrs
TTE 3810  Highway Engineering  3 hrs

Senior Year - Spring 12 hrs
CGN 4808C  CEEC Capstone Design  3 hrs
AGC 2071  Principles of Managerial Accounting  3 hrs
GEP  3 hrs

Select 1: 3 hrs
■ Take subsequent course to one selected in Fourth Year Fall.
■ CEG 4012  Geotechnical Engineering II or  3 hrs
■ TTE 4274  Transportation Engineering Systems  3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecas.ucf.edu/academiclearningcompacts.html

Equipment Fees
■ Part-Time Student: $43 per term
■ Full-Time Student: $85 per term

Criminal Justice (B.A. / B.S.)
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@mail.ucf.edu
Cory Watkins
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)
   D: Social Foundations  (6 hrs)
   E: Science Foundations  (6 hrs)
2. Common Program Prerequisites (CPP)  None
3. Core Requirements: Basic Level  None
4. Core Requirements: Advanced Level (21 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   CCJ 3934  Criminal Justice System  3 hrs
   CCJ 3914  Crime in America  3 hrs
   CJL 3510  Prosecution and Adjudication  3 hrs
   CJC 3010  Corrections and Penology  3 hrs
   CJE 4010  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 using 12 hours from a completed minor in another program approved by the department.

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
■ 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 12 hour supporting course requirement. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

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
Criminal Justice Scholar’s Track (B.A. / B.S.)

College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs 1, Room: Room 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@ucf.edu

Cory Watkins, 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)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (None)

3. Core Requirements: Basic Level (None)

4. Core Requirements: Advanced Level (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 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.

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 using 12 hours from a completed minor in another program approved by the department.

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
- None

Acceptable Substitutes for Transfer Courses

Restrict core requirements and the restricted electives.

Required 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.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (None)

3. Core Requirements: Basic Level (None)

4. Core Requirements: Advanced Level (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 4746 Data Analysis for Criminal Justice (3 hrs)
   - CCJ 4701 Research Methods in 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.

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 using 12 hours from a completed minor in another program approved by the department.

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

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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 12 hour supporting course requirement. Students
   taking American Sign Language (ASL) to satisfy B.A. foreign
   language requirement must complete three semesters of
   ASL classes.

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.
    ■ 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
   ■ 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

Plan of Study

Freshman Year - Spring 15 hrs
ENC 1102 Composition I 3 hrs
GEP Math 3 hrs
GEP Science 3 hrs
GEP Social 3 hrs
GEP Cultural 3 hrs

Sophomore Year - Fall 15 hrs
GEP Communication 3 hrs
CCJ 3014 Crime in America 3 hrs
GEP Historical 3 hrs
GEP Science 3 hrs
Free Elective 3 hrs

Sophomore Year - Spring 15 hrs
CCJ 3024 Criminal Justice System 3 hrs
CJL 3510 Prosecution and Adjudication 3 hrs
Restricted Elective 3 hrs
Restrictive Elective 3 hrs
Supporting Elective 3 hrs

Junior Year - Fall 15 hrs
■ Admissions to scholars track requires 3.0 overall GPA
CCJ 4701 Research Methods in Criminal Justice 3 hrs
CCJ 3010 Corrections and Penology 3 hrs
CCJ 4934 Emergent Criminal Justice Issues 3 hrs
Supporting Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
CJE 4014 Police and Society 3 hrs
CCJ 4746 Data Analysis for Criminal Justice 3 hrs
CCJ 4934 Emergent Criminal Justice Issues 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
CCJ 4934 Emergent Criminal Justice Issues 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
CJ Elective 3 hrs
Free Elective 3 hrs

Senior Year - Spring 15 hrs
Free Elective 3 hrs
Free Elective 3 hrs
CCJ 4934 Emergent Criminal Justice Issues 3 hrs
CJ Elective or CCJ Internship 6 hrs

Program Academic Learning Compacts
   ■ Program Academic Learning Compacts (student learning
   outcomes) for undergraduate programs are located at:
   http://www.oeas.ucf.edu/academiclearningcompacts.html

Digital Media (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

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://cstore.ucf.edu/) 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 24 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, except DIG 2000 and DIG 4713 as noted.
- Co-op or 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) (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 one additional course from approved list 3 hrs

C: Mathematical Foundations (7 hrs)
- Required COP 2500C Concepts in Computer Science 4 hrs
- Required MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)
- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II GEP
- ART 2201C Design Fundamentals - Two Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- COP 2500C Concepts in Computer Science GEP
- MAC 1105C College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)
- Admission to all courses after DIG 2000 is dependent on the student achieving at least a “B” (3.0) in DIG 2000.

Digital Media Core: Basic
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

Digital Media Core: Advanced
- DIG 3024 Digital Cultures & Narrative 3 hrs
- DIG 3480C Computer as a Medium 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 4780C Modeling for Realtime Systems 3 hrs

Game Design 42 hrs
- Admission to all courses after DIG 4713 is dependent on the student achieving at least a “B” (3.0) in DIG 4713.

Game Design: Basic Concentration 24 hrs
- COP 3223C 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

Web Design: Basic Concentration 24 hrs
- DIG 3134 Media Software Design and 3 hrs
- DIG 3563 Information Management and Entrepreneurship and 3 hrs
- DIG 3716C Internet Interaction and 3 hrs
- DIG 3811 User-Centered Design and 3 hrs
- DIG 4503 Rapid Application Web Development and 3 hrs
- DIG 4630C Media Business Practices and 3 hrs
- GRA 3803C Intermediate Computer Graphic Design 3 hrs

Web Design: Restricted Electives 18 hrs
- Complete 18 hours of credits from the following areas:
- Note: DIG 4104C Must be taken at least two times. It is repeatable for credit.
- 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
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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

Game Design

Freshman Year - Fall 15 hrs
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Cultural & Historical Foundation 3 hrs
- GEP Social Foundation 3 hrs

Sophomore Year - Fall 15 hrs
- COP 2500C Concepts in Computer Science 4 hrs
- ARH 2051 History of Western Art II 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP Social Foundation 3 hrs

Sophomore Year - Spring 15 hrs
- DIG 4104C Web Design Workshop 3 hrs
- COP 3330C Drawing Fundamentals I 3 hrs
- DIG 4503C Rapid Application Web Development 3 hrs
- GRA 2151C Illustration 3 hrs
- DIG 4725C Game Workshop 3 hrs

Junior Year - Spring 12 hrs
- DIG 4715C Game Production 3 hrs
- DIG 4720C Casual Game Production 3 hrs
- GRA 3803C Intermediate Computer Graphic Design 3 hrs
- Elective 3 hrs

Senior Year - Fall 16 hrs
- GRA 3803C Intermediate Computer Graphic Design 3 hrs
- Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
- GRA 3803C Intermediate Computer Graphic Design 3 hrs
- Restricted Elective 3 hrs

Web Design

Freshman Year - Fall 15 hrs
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Cultural & Historical Foundation 3 hrs
- GEP Social Foundation 3 hrs

Freshman Year - Spring 16 hrs
- ARH 2051 History of Western Art II 3 hrs
- COP 2500C Concepts in Computer Science 4 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP Social Foundation 3 hrs

Sophomore Year - Fall 15 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs
- GEP Communication Foundation 3 hrs

Sophomore Year - Spring 15 hrs
- DIG 3563 Information Management and Entrepreneurship 3 hrs
- DIG 4630C Media Business Practices 3 hrs
- Foreign Language Elementary Level I 4 hrs
- Restricted Elective 3 hrs

Junior Year - Spring 13 hrs
- DIG 3134 Media Software Design 3 hrs
- DIG 3716C Internet Interaction 3 hrs
- DIG 3811 User-Centered Design 3 hrs
- Foreign Language Elementary Level II 4 hrs

Junior Year - Fall 13 hrs
- DIG 4104C Web Design Workshop 3 hrs
- DIG 4530C Media for e-Commerce 3 hrs
- GRA 3803C Intermediate Computer Graphic Design 3 hrs
- 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/academiclearningcompacts.html

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/ecee/
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 scores 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) are required prior to entry into Internship.
- FTCE General Knowledge Test (GKT) - passing scores on the GKT are strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) are required prior to entry into Internship.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

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

B: Cultural & Historical Foundations (9 hrs)
General Education Program elective from section B2: 3 hrs
- Prefer MUL 2010 Enjoyment of Music or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy or 3 hrs
- Prefer THE 2000 Theatre Survey 3 hrs
- General Education Program elective from section B1 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1 3 hrs

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

E: Science Foundations (6 hrs)
Select 1: 3 hrs
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

F: Professional Program Prerequisites (60 hrs)

1. Core Requirements: Basic Level (15 hrs)

Other Program Prerequisites
- 1 EDF 2190 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 Elective 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs

2. Core Requirements: Advanced Level (60 hrs)
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.

Semester I 15 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to admission to the major.

EEC 3700 Social and Emotional Development of Young Children 3 hrs
EEC 4661 Early Childhood Education Theory and Practice 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs
EEX 4751 Parent Involvement in Education 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Semester II 15 hrs
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.

EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
EEC 4207 Assessment and Evaluation of Young Children 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
EEX 4268 Curriculum Activities in Early Childhood 3 hrs
EEX 3450 Young Children With Special Needs 3 hrs
Office of Clinical Experiences at Deadline dates and applications are available through the Student Teaching (EEC 4943 Internship). Florida Teacher Certification Examination prior to entry into achieve a passing score on all applicable sections of the Semester III 12 hrs

Based on recommendations below, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Student Teaching (EEC 4943 Internship).

Students must apply and be approved for Internship. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

Satisfactory completion of Internship requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

5. Restricted Electives

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

8. Electives

9. Additional Requirements

10. Required Minors

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. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

1 48 semester hours of upper division credit completed

2 30 of the last 39 hours of course work must be completed in residency at UCF.

3 A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

4 Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors In Major

None

Related Programs

None

Certificates

None

Related Minors

None

Advising Notes

None

Transfer Notes

None

Acceptable Substitutes for Transfer Courses

None

Plan of Study

This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs

EDF 2005 Introduction to the Teaching Profession 3 hrs

ENC 1101 Composition I 3 hrs

MGF 1106 Finite Mathematics 3 hrs

PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 15 hrs

EDF 2085 Introduction to Diversity for Educators 3 hrs

ENC 1102 Composition II 3 hrs

MAC 1105C College Algebra 3 hrs

PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs

MUL 2010 Enjoyment of Music or 3 hrs

PHI 2010 Introduction to Philosophy or 3 hrs

THE 2000 Theatre Survey 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 3 hrs

Sophomore Year - Spring 12 hrs

1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs

CEP B3 Elective (Select course from section B1) 3 hrs

Elective 3 hrs

1 Courses taken at Florida College System institutions may substitute for 120 course credit hours. 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 for test dates and sites.
### Program Academic Learning Compacts
- 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.

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE. Refer to <a href="http://www.fldoe.org">http://www.fldoe.org</a> for test dates and sites.</td>
<td></td>
</tr>
</tbody>
</table>

| 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 |

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children</td>
</tr>
<tr>
<td>EEC 4207</td>
<td>Assessment and Evaluation of Young Children</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition</td>
</tr>
<tr>
<td>EEC 4268</td>
<td>Curriculum Activities in Early Childhood</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Summer</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please note: Passing scores on the Professional Education Test (PED) and the Pre-Kindergarten/Primary PK-3 Subject Area Examination portions of the FTCE are required prior to entry into student teaching (EEC 4943 Internship).</td>
<td></td>
</tr>
</tbody>
</table>

| EEC 4303 | Planning Creative Activities in Early Childhood Education | 3 hrs |
| RED 3012 | Basic Foundations of Reading | 3 hrs |

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE. Refer to <a href="http://www.fldoe.org">http://www.fldoe.org</a> for test dates and sites.</td>
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</tbody>
</table>

| 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 |

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>12 hrs</th>
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</thead>
<tbody>
<tr>
<td>Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE. Refer to <a href="http://www.fldoe.org">http://www.fldoe.org</a> for test dates and sites.</td>
<td></td>
</tr>
</tbody>
</table>

| EEC 4943 | Student Teaching | 12 hrs |

#### 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**

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

**Email:** ece@ucf.edu

Dr. Judy Levin, 122L, Judith.Levin@ucf.edu

Phone: 407-823-4615

**Early Childhood Development Track 2**

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.

**Degree Requirements**

- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail (ece@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)**

   - Students are advised to take the preferred courses.

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

   **B: Cultural & Historical Foundations**
   - General Education Program elective from section B2: | 3 hrs
     - Prefer MUL 2100 Enjoyment of Music | 3 hrs
     - Prefer PHI 2100 Introduction to Philosophy or | 3 hrs
     - Prefer THE 2000 Theatre Survey | 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.

2. **Mathematical Foundations**

   - Select 1: Prefer MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics | 3 hrs
   - Select 1: Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics | 3 hrs

3. **Social Foundations**

   - Prefer PSY 2012 General Psychology | 3 hrs
   - Prefer POS 2041 American National Government | 3 hrs

4. **Science Foundations**

   - Prefer PSC 1121 Physical Science | 3 hrs
   - Select 1: Prefer ANT 2511 The Human Species or BSC 1105 Biological Principles | 3 hrs

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

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

6. **Core Requirements: Basic Level**

   - 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
   - Restricted Elective with Advisor approval | 3 hrs

6. **Select 1: 3 hrs**

   - EDF 2130 Child and Adolescent Development for Educators | 3 hrs
   - SOW 3104 Human Behavior and the Social Environment | 3 hrs
UCF Degree Programs

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
   Restricted Elective with Advisor approval (3/4XXX level) 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
   EEX 3450 Young Children With Special Needs 3 hrs
   EEC 3008 Early Childhood Children’s Literature 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 4030C 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 4288 Curriculum Activities in Early Childhood or 3 hrs
   EEC 4524 Organization and Management in Early Childhood or 3 hrs
   EXP 3604C Cognitive Psychology or 4 hrs
   PEO 3041 Games Analysis or 3 hrs
   PET 3820 Teaching Sports Skills I or 3 hrs
   PET 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 4654 Child Abuse: Treatment and Prevention or 3 hrs
   SOW 4650 Children’s Services or 3 hrs
   EEX 4744 Child Life: Psychosocial Care of Children in Health Settings or 3 hrs
   SOW 3104 Human Behavior and the Social Environment I 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
   Admissions
   ■ State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
   ■ None

8. Electives
   ■ None

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ Achieve a minimum overall 2.75 GPA in all courses within the major.
    ■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, 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.
   ■ Students interested in a Child Life Specialist Certification should seek advising from the ECDE program faculty for electives selection.
   ■ Students interested in Child Life Specialist Certification: Select SOW 3104 Human Behavior and the Social Environment I as a prerequisite course AND take EEC 4744 Child Life: Psychosocial Care of Children in Health Settings as an elective course

Transfer Notes
   ■ Courses taken at Florida College System institutions may substitute for select courses in prerequisites with the permission of the department.

Acceptable Substitutes for Transfer Courses
   ■ None

Plan of Study
   ■ Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs
   EDF 2085 Introduction to Diversity for Educators 3 hrs
   ENC 1101 Composition I 3 hrs
   MGF 1106 Finite Mathematics 3 hrs
   PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 15 hrs
   ENC 1102 Composition II 3 hrs
   SYG 2010 Social Problems 3 hrs
   PSC 1121 Physical Science 3 hrs
   EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs

Select 1: 3 hrs
   MUL 2010 Enjoyment of Music or 3 hrs
   PHI 2010 Introduction to Philosophy or 3 hrs
   THE 2000 Theatre Survey 3 hrs

Freshman Year - Summer 6 hrs
   ARE 2000 Early Childhood Art and Creativity 3 hrs
   MUE 2211 Early Childhood Music and Movement 3 hrs

Sophomore Year - Fall 15 hrs
   Transfer Note: Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.
   SPC 1608 Fundamentals of Oral Communication 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 2044 Principles of Probability & Statistics 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
GEP B1 elective 3 hrs
Restricted Elective with Advisor approval 3 hrs

Sophomore Year - Spring 12 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs
DEP 2004 Developmental Psychology 3 hrs
POS 2041 American National Government 3 hrs
GEP B3 Elective (Refer coursework from section B2) 3 hrs

Junior Year - Fall 15 hrs
EEC 4370 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
Restricted Elective with Advisor approval (3/4XXX level) 3 hrs

Junior Year - Spring 15 hrs
EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
EEC 3613 Observation and Assessment of Young Children 3 hrs
ECC 4402 Cultural and Family Systems 3 hrs
EEC 3450 Young Children With Special Needs 3 hrs
EEC 3008 Early Childhood Children's Literature 3 hrs

Senior Year - Fall 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
PET 4050C Motor Development and Learning 3 hrs
EEC 4414 Parent-Child Relations 3 hrs
Select Two Early Childhood Development Track Electives 6 hrs

Senior Year - Spring 12 hrs
EEC 4940 Practicum: Early Childhood Development 12 hrs

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

Early Childhood Development and Education
Track 3: Early Childhood Careers (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Complex, Room: 209
Dr. Dierdre Englehart, Dierdre.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.

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: 3 hrs
- Prefer MUL 2010 Enjoyment of Music or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy or 3 hrs
- Prefer THE 2000 Theatre Survey 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: 3 hrs
- Prefer MGF 1106 Finite Mathematics or 3 hrs
- Prefer MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2041C Principles of Statistics 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs
- Prefer PSC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
- Prefer ANT 2511 The Human Species or 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs
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: 3 hrs

- 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 3008 Early Childhood Children's Literature 3 hrs
- EEX 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’s Behavior 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

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
### Economics (B.S.)

**College of Business Administration**

**Department of Economics,**

**Business Administration II, Room: 305**

[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)

Dr. David Scrogin, BAZ 302U, David.Scrogin@ucf.edu, 407-823-4129  
Dr. Nora Underwood, BAZ 302N, 407-823-1403  
Dr. Michael Caputo, BAZ 302Q, 407-823-1405  
Phone: 407-823-3266

The Bachelor of Science 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. 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 Science 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.

<table>
<thead>
<tr>
<th>1. UCF General Education Program (GEP)</th>
<th>(36 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A: Communication Foundations</strong></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>B: Cultural &amp; Historical Foundations</strong></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td><strong>C: Mathematical Foundations</strong></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>Required STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 2. Core Requirements: Basic Level

- None

### 3. Core Requirements: Advanced Level | (12 hrs)

- ECO 3101 Intermediate Microeconomics | 3 hrs |
- ECO 3203 Intermediate Macroeconomics | 3 hrs |

Select one of the following sequences of courses:

- ECO 3401 Quantitative Business Tools I | 3 hrs |
  - or |
  - MAC 2233 Concepts of Calculus and |
    - or |
  - STA 2023 Statistical Methods I | 3 hrs |

Students must receive a “C” (2.0) or better in ECO 2023 and STA 2023 to be waived from ECO 3401

Select one of the following sequences of courses:

- ECO 3411 Quantitative Business Tools II | 3 hrs |
  - or |
  - STA 4163 Statistical Methods II | 3 hrs |
  - or |
  - STA 4321 Statistical Theory I | 3 hrs |

### 4. Core Requirements: Advanced Level | (12 hrs)

- 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 4904 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 |
- ECP 4904 Topics in Econometrics | 3 hrs |

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

- All B.S. Economics majors will be required to take a minimum of nine (9) electives by choosing from the following:
  - ECO 3223 Money and Banking | 3 hrs |
  - ECO 3401 Quantitative Business Tools I | 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 4904 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 |

### 6. Capstone Requirements | (1 hr)

- ECO 4902 Capstone in Economics | 1 hr |

### 7. Foreign Language Requirements

Admissions

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

Graduation

- None
8. Electives
- 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 and in every course applied towards the major as well as a 2.0 overall average 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
- 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
- ENC 1101 Composition I
- MAC 1105G College Algebra
- ECO 2013 Principles of Macroeconomics
- Free Elective
- Cultural Foundation (GEP)

Freshman Year - Spring
- ECO 2023 Principles of Microeconomics
- ENC 1102 Composition II
- STA 2023 Statistical Methods I
- Social Science Foundation II (ANT/SYG/PSY) (GEP)
- Free Elective

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication
- ECO 3401 Quantitative Business Tools I
- Science Foundation I (GEP)
- Historical Foundation I (GEP)
- Free Elective

Sophomore Year - Spring
- ECO 3011 Intermediate Microeconomics
- 1 ECO 3411 Quantitative Business Tools II
- Foreign Language II
- Free Elective
- Free Elective

Junior Year - Fall
- ECO 3203 Intermediate Macroeconomics
- ECO Elective (MAJ)
- ECO Elective (MAJ)
- ECO Elective (MAJ)
- Free Elective

Junior Year - Spring
- ECO 3411 Quantitative Business Tools II
- 1 ECO 4902 Capstone in Economics
- ECO Elective (MAJ)
- ECO Elective (MAJ)
- ECO Elective (MAJ)
- Free Elective

Senior Year - Fall
- ECO Elective (MAJ)
- ECO Elective (MAJ)
- ECO Elective (MAJ)
- Free Elective

Senior Year - Spring
- ECO Elective (MAJ)
- ECO Elective (MAJ)
- ECO Elective (MAJ)
- Free Elective

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Economics, Business (B.S.B.A.)

College of Business Administration

Department of Economics,
Business Administration II, Room: 305
http://business.ucf.edu/undergraduate-programs
Michael Caputo, mcaputo@bus.ucf.edu
Phone: 407-823-3286

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. 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, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.
- Completion of the following courses at UCF or at an AASCB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of "C" (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Business Economics must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 59 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.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Economics major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Economics major and/or College of Business. A student who is dismissed may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students majoring in Economics must earn a grade of “C” (2.0) or better in the following course and each course applied towards the major:
  - ECO 3411 Quantitative Business Tools II 3 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 MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs
- Prefer ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs
- Suggested ANT 2000 General Anthropology or 3 hrs
- Suggested PSY 2012 General Psychology or 3 hrs
- Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
  - ACG 2011 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - CGS 2100C Computer Fundamentals for Business 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
  - MAC 2311 and MAC 2312

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (34 hrs)

Primary Core 15 hrs
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

Secondary Core 13 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3023 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4004 Executing Your Career Plan 1 hr

Required Major Courses 6 hrs
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

5. Restricted Electives (21 hrs)
- All B.S.B.A. economics majors will be required to take six (6) electives by choosing from the following:
  - 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
  - ESP 4530 Health Economics 3 hrs

Business Elective 3 hrs
- Choose any upper level business course.

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
- ECO 4403 Industrial Organization and Game Theory 3 hrs
- ECO 4934 Topics in Econometrics 3 hrs

6. Capstone Requirements (4 hrs)
- An approved intent to Graduate must be on file in order to register for MAN 4720.
  - ECO 4902 Capstone in Economics 1 hr
  - MAN 4720 Strategic Management 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
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum major GPA of 2.0 and a minimum College of Business GPA of 2.0.
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

- 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.
- Any student receiving a business degree must complete a minimum of 30 of the 59 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

- General electives as required to earn 120 credit hours.

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name &amp; Description</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
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<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
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<tr>
<td>Cultural Foundation I</td>
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Freshman Year - Spring

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<td>ENC 1102</td>
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<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>Social Foundation</td>
<td>3 hrs</td>
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Sophomore Year - Fall

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<th>Course Name &amp; Description</th>
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<td>Principles of Financial Accounting</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td>Science</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>History</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>Elective</td>
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Sophomore Year - Spring

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<td>Principles of Managerial Accounting</td>
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<tr>
<td>ECO 3401</td>
<td>Quantitative Business Tools I</td>
<td>3 hrs</td>
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<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3 hrs</td>
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<tr>
<td>History</td>
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<tr>
<td>Science</td>
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Junior Year - Fall

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<th>Course Name &amp; Description</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ACG 3173</td>
<td>Accounting for Decision-Makers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>Business Finance</td>
<td>3 hrs</td>
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<tr>
<td>GEB 3003</td>
<td>Career Research &amp; Planning</td>
<td>1 hr</td>
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Junior Year - Spring

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<th>Course Code</th>
<th>Course Name &amp; Description</th>
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<tbody>
<tr>
<td>ECO 3101</td>
<td>Intermediate Microeconomics</td>
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<td>GEB 3375</td>
<td>Introduction to International Business</td>
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<td>MAR 3203</td>
<td>Supply Chain and Operations Management</td>
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<td>Economics Restricted Elective</td>
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<td>Business Elective</td>
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<td>GEB 4223</td>
<td>Business Interviewing Techniques</td>
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Senior Year - Fall

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<tbody>
<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics</td>
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<td>Economics Restricted Elective</td>
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<td>Economics Restricted Elective</td>
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<td>Economics Restricted Elective</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>Elective</td>
<td></td>
<td>3 hrs</td>
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Senior Year - Spring

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<th>Course Name &amp; Description</th>
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<tbody>
<tr>
<td>ECO 4902</td>
<td>Capstone in Economics</td>
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<td>Economics Restricted Elective</td>
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<td>Economics Restricted Elective</td>
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<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>3 hrs</td>
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<td>MAN 4720</td>
<td>Strategic Management</td>
<td>3 hrs</td>
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<tr>
<td>GEB 4004</td>
<td>Executing Your Career Plan</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts

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

Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Electrical Engineering (B.S.E.E.)

College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science

Science, Harris Corp. Engineering Center, Room: 346

http://www.eecs.ucf.edu

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 2311C, 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 in the term of completion of the final pending prerequisite course(s) listed above.
## UCF Degree Programs

**Degree Requirements**

- Students in the Electrical Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Electrical Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.

- Students in the Electrical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Electrical Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Electrical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Electrical Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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

- The UCF General Education Program (GEP) is described in the section General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida 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

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preferred SPC 1603C Fundamentals of Technical Presentations or Suggested SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 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)

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| Select one class from Social Foundations | 3 hrs |

#### E: Science Foundations (7 hrs)

| Required PHY 2048C Physics for Engineers & Scientists I | 4 hrs |

| Select one course from Science Foundations | 3 hrs |

### 2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

<table>
<thead>
<tr>
<th>Required MAC 2311C Calculus with Analytic Geometry I</th>
<th>GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>Required PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required MAP 2302 Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preferred CHS 1440 Principles of Chemistry or CHM 2054C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 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.

| Required EGS 1006C Introduction to the Engineering Profession | 1 hr |
| Required EGN 1007C Engineering Concepts and Methods | 1 hr |

### 4. Core Requirements: Advanced Level (53 hrs)

#### Courses Required for the Engineering Core (9 hrs)

| Required EGN 3310 Engineering Analysis-Statics | 3 hrs |
| Required STA 3032 Probability and Statistics for Engineers | GEP |
| Required PHY 3101 Physics for Engineers and Scientists III | 3 hrs |

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required EGN 3321 Engineering Analysis-Dynamics or EGN 3338 Thermo-Fluids-Heat Transfer</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Courses Required for the Major (44 hrs)

| Required EEL 3004C Electrical Networks | 3 hrs |
| Required EEL 3123C Networks and Systems | 4 hrs |
| Required EEE 3350 Semiconductor Devices I | 3 hrs |
| Required EEE 3307C Electronics I | 4 hrs |
| Required EEE 3342C Digital Systems | 3 hrs |
| Required EEL 3470 Electromagnetic Fields | 3 hrs |
| Required EEL 3552C Analog and Digital Communication | 4 hrs |
| Required EEL 3657 Linear Control Systems | 3 hrs |
| Required EEL 3801C Computer Organization | 3 hrs |
| Required EEE 4309C Electronics II | 4 hrs |
| Required EEL 4750 Digital Signal Processing Fundamentals | 3 hrs |
| Required EEL 4742C Embedded Systems | 4 hrs |
| Required 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  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
- 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 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.

Total Semester Hours Required
- 129

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.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 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
EGS 1006C Introduction to the Engineering Profession  1 hr
MAC 2311C Calculus with Analytic Geometry I  4 hrs
GEP- Historical Foundation  3 hrs
Select 1  3 hrs
1 SPC 1603C Fundamentals of Technical Presentations or
SPC 1608 Fundamentals of Oral Communication  3 hrs
Select 1:  4 hrs
CHS 1440 Principles of Chemistry or
CHM 2045C Chemistry Fundamentals I  4 hrs
1 Preferred

Freshman Year - Spring
EGN 1007C Engineering Concepts and Methods  1 hr
MAC 2312 Calculus with Analytic Geometry II  4 hrs
PHY 2048C Physics for Engineers & Scientists I  4 hrs
ENC 1101 Composition I  3 hrs
Select 1:  3 hrs
ECO 2013 Principles of Macroeconomics or
ECO 2023 Principles of Microeconomics  3 hrs

Sophomore Year - Fall
ENC 1102 Composition II  3 hrs
PHY 2049C Physics for Engineers and Scientists II  4 hrs
EGN 3310 Engineering Analysis-Statics  3 hrs
MAC 2313 Calculus with Analytic Geometry III  4 hrs

Sophomore Year - Spring
PHY 3101 Physics for Engineers and Scientists III  3 hrs
EEE 3004C Electrical Networks  3 hrs
MAP 2302 Ordinary Differential Equations I  3 hrs
EEE 3342C Digital Systems  3 hrs
GEP- Cultural Foundation  3 hrs

Sophomore Year - Summer
EGN 3211 Engineering Analysis and Computation  3 hrs
EEL 3123C Networks and Systems  4 hrs
GEP- Social Foundation  3 hrs

Junior Year - Fall
EEE 3350 Semiconductor Devices I  3 hrs
EEL 3552C Analog and Digital Communication Fundamentals  4 hrs
EEL 3801C Computer Organization  3 hrs
GEP- Science Foundation  3 hrs

Junior Year - Spring
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
EGN 3358 Thermo-Fluids-Heat Transfer  3 hrs

Senior Year - Fall
EEE 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
EEL 4915L Senior Design II  3 hrs
EGE 4309C Electronics II  4 hrs
Approved Technical Elective  3 hrs
Approved Technical Elective  3 hrs
Approved Technical Elective  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 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/eledem/
Dr. Michelle Kelley, michelle.kelley@ucf.edu, 407-823-1764

The Elementary Education program offers students the option of two tracks: Elementary Education - Education track (K-6) and Elementary Education - Lifelong Learning track (non-certification). The Education track is appropriate for students interested in opportunities for employment with formal K-6 schools that require certification. The Lifelong Learning (LLL) track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., a AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- 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.

Education Track
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

Lifelong Learning Track
- Complete all LLL Track Core Requirements: Basic Level courses with a minimum letter grade of "C-" (1.75) or better.
- The Lifelong Learning Track is non-certification program and does not require the General Knowledge Test (GKT).

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.
- The Education track (K-6) is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

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

B: Cultural & Historical Foundations (9 hrs)
- General Education Program course from section B1 3 hrs
- chosen meet Gordon Rule requirement
- General Education Program course: Prefer a second course from GEP section B1. 3 hrs

Select 1: 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 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 (12 hrs)
- Education Track requires 15 hours
- Lifelong Learning Track requires 12 hours
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

Education Track 8 hrs
- PET 2081 Wellness, Children and Schools 1 hr

1 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
- Education track 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.

Lifelong Learning Track 5 hrs
- EDG 2949 Experiential Learning in Education 2 hrs
- MHS 2330 Career Planning 3 hrs

4. Core Requirements: Advanced Level (60 hrs)
- Education Track requires 60 hours
- Lifelong Learning Track requires 63 hours
- The following recommended sequence of required upper division courses may vary at regional campus locations.
- Both Education Track and Lifelong Learning Track majors are required to complete the Advanced Level courses listed under: Semester I, Semester II and Summer.
- Students must complete the Advanced Level courses required for their selected track (Education Track or Lifelong Learning Track) Semester III and Semester IV.

Semester I 15 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- LAE 3414 Literature for Children 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4083 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

1 Required prior to Internship I
Students must have a total of 48 or more hours of upper level courses to graduate.

Three (3) hours of Lifelong Learning Specialization coursework should be completed prior to your Sophomore year. Refer to the Plan of Study for the recommended sequence of courses.

Eighteen (18) hours of Lifelong Learning Specialization coursework should be completed during Semester III and Semester IV of your Senior Year.

ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
ARE 4250 Art for Exceptionalities 3 hrs
PET 2081 Wellness, Children and Schools 1 hr
ECC 4402 Cultural and Family Systems 3 hrs
ECC 4414 Parent-Child Relations 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3118 Digital Tools and Technologies: Graphic Design 3 hrs
DIG 3554 Digital Tools and Technologies: Web Design 3 hrs
DIG 3525 Digital Media Production I 3 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
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
EXE 2090 Exceptional Populations in School and Society 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EEX 4601 Introduction to Behavior Management 3 hrs
MAR 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs

Lifelong Learning Track: Semester III 12 hrs
EDG 4949 Experiential Learning in Education 3 hrs
EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs
Choose Lifelong Learning Specialization courses 6 hrs
Choose Lifelong Learning Specialization courses 6 hrs

5. Restricted Electives
 None

6. Capstone Requirements

7. Foreign Language Requirements

Admissions
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
 None

8. Electives
 None

9. Additional Requirements
 None

10. Required Minors
 None

11. Departmental Exit Requirements
 Achieve a minimum overall 2.5 GPA within the major.
 Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
Education Track
- 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. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall
- 12 hrs
  - EME 2040 Introduction to Technology for Educators 3 hrs
  - ENC 1101 Composition I 3 hrs

Select 1:
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- Phil 2010 Introduction to Philosophy 3 hrs

Education Track
- 3 hrs
  - MAC 1105C College Algebra 3 hrs

Lifelong Learning Track
- 3 hrs
  - MAC 1105C College Algebra or 3 hrs
  - MGF 1106 Finite Mathematics or 3 hrs
  - MGF 1107 Explorations in Mathematics 3 hrs

Freshman Year - Spring
- 12 hrs
  - Education Track requires 13 hours
  - Lifelong Learning Track requires 12 hours
  - 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track
- 2 hrs
  - ARH 2050 History of Western Art I 3 hrs

Sophomore Year - Fall
- 15 hrs
  - GEP B1 Elective 3 hrs
  - BSC 1005 Biological Principles 3 hrs
  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs

Education Track
- 3 hrs
  - ARH 2050 History of Western Art I 3 hrs

Lifelong Learning Track
- 3 hrs
  - MHS 2330 Career Planning 3 hrs

Sophomore Year - Spring
- 14 hrs
  - Education Track requires 14 hours
  - Lifelong Learning Track requires 15 hours
  - GEP B3 Elective (Prefer course from section B1) 3 hrs
  - MAE 2801 Elementary School Mathematics 4 hrs
  - STA 2014C Principles of Statistics 3 hrs
  - EDF 2065 Introduction to Diversity for Educators 3 hrs

Education Track
- 1 hr
  - 1 PET 2081 Wellness, Children and Schools 1 hr

Lifelong Learning Track
- 2 hrs
  - EDG 2949 Experiential Learning in Education 2 hrs

Junior Year - Fall
- 15 hrs
  - Coursework required for Education Track and Lifelong Learning Track
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  - EEX 4070 Teaching Exceptional Students 3 hrs
  - LAE 4314 Language Arts in the Elementary School 3 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs

Junior Year - Spring
- 15 hrs
  - Coursework required for Education Track and Lifelong Learning Track
  - RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
  - SSE 3312 Teaching Social Science in the Elementary School 3 hrs
  - LAE 4314 Language Arts in the Elementary School 3 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs

Junior Year - Summer
- 6 hrs
  - Coursework required for Education Track and Lifelong Learning Track
  - EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs

Senior Year - Fall
- 12 hrs
  - EDE 4943 Internship II (Elementary) 12 hrs

Senior Year - Spring
- 12 hrs
  - Choose Lifelong Learning Specialization courses 6 hrs

Education Track
- 9 hrs
  - MAE 4326 How Children Learn Mathematics and Strategies 3 hrs
  - RED 4942 Practicum for Assessment and Instruction of Reading and 3 hrs
  - EDE 3942 Internship I 3 hrs

Lifelong Learning Track
- 9 hrs
  - EDG 2949 Experiential Learning in Education and 3 hrs
  - Choose Lifelong Learning Specialization courses 6 hrs

Senior Year - Spring
- 12 hrs
  - Choose Lifelong Learning Specialization courses 6 hrs

Education Track
- 12 hrs
  - EDE 4943 Internship II (Elementary) 12 hrs
UCF Degree Programs

Lifelong Learning Track 12 hrs
Choose Lifelong Learning Specialization courses 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/academiclearningcompacts.html

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
Email: english@ucf.edu
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 B.1 list 3 hrs

   C: Mathematical Foundations
   Math: 3 hrs
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam

   Statistics - Computers 3 hrs
   Select a course from GEP C.2 list

   D: Social Foundations

   E: Science Foundations

2. Common Program Prerequisites (CPP) (6 hrs)

   † ENC 1101 Composition I GEP
   † ENC 1102 Composition II GEP

   † See Transfer Notes for possible substitutions. See "Common Prerequisites" in the Transfer and Transition Services section for more information.

3. Core Requirements: Basic Level (9 hrs)
   CRW 3013 Creative Writing for English Majors 3 hrs
   † ENG 3014 Theories and Techniques of Literature Study 3 hrs
   CRW 3053 Theory & Practice of Creative Writing 3 hrs

   † This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (12 hrs)
   - Literary History Requirement
   - Choose four courses total from these two groupings

   Select at least one of these pre-1865 literature courses.
   - Note: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.
   
   Select 1: 3 hrs
   - AML 3041 American Literature I or
   - AML 3614 Topics in African-American Literature or
   - AML 3615 Harlem, Haiti, and Havana or
   - AML 3643 Contemporary Native American Prose and Poetry or
   - AML 4101 American Novel or
   - AML 4155 Modern American Poetry or
   - AML 4261 Literature of the South or
   - AML 4265 Florida Writers or
   - AML 4321 Modern American Literature or
   - AML 4630 Latino/Latina Literature or
   - ENL 2022 English Literature II or
   - ENL 4011 English Novel or
   - ENL 4253 The Victorian Age or
   - ENL 4262 Nineteenth Century British Prose or
   - ENL 4273 Modern British Literature or
   - LIT 3082 Continental European Fiction Since 1900 or
   - LIT 3192 Caribbean Literature or
   - LIT 4043 Modern Drama As Literature or
   - LIT 4184 Irish Literature or
   - LIT 4303 Post-World War II Fiction or
   - LIT 3623 Hispanic Women Writers

   Select at least one of these post-1865 literature courses.
   - Select 2: 3 hrs
   - Each semester, additional courses may satisfy this requirement. Check with an advisor for details.
   - AML 3041 American Literature II or
   - AML 3283 Contemporary American Women's Fiction or
   - AML 3614 Topics in African-American Literature or
   - AML 3615 Harlem, Haiti, and Havana or
   - AML 3643 Contemporary Native American Prose and Poetry or
   - AML 4101 American Novel or
   - AML 4155 Modern American Poetry or
   - AML 4261 Literature of the South or
   - AML 4265 Florida Writers or
   - AML 4321 Modern American Literature or
   - AML 4630 Latino/Latina Literature or
   - ENL 2022 English Literature II or
   - ENL 4011 English Novel or
   - ENL 4253 The Victorian Age or
   - ENL 4262 Nineteenth Century British Prose or
   - ENL 4273 Modern British Literature or
   - LIT 3082 Continental European Fiction Since 1900 or
   - LIT 3192 Caribbean Literature or
   - LIT 4043 Modern Drama As Literature or
   - LIT 4184 Irish Literature or
   - LIT 4303 Post-World War II Fiction or
   - LIT 3623 Hispanic Women Writers

5. Restricted Electives (15 hrs)
   - Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.

   a. Choose two of the following: 6 hrs
   - Select 2: 6 hrs
   - CRW 3120 Fiction Writing Workshop or
   - CRW 3211 Creative Nonfiction Writing or
   - CRW 3310 Poetry Writing Workshop or
   - CRW 3610 Writing Scripts

   b. Choose two of the following: 6 hrs
   - Select 2: 6 hrs
   - CRW 4122 Advanced Fiction Writing Workshop or
   - CRW 4224 Advanced Nonfiction Workshop or
   - CRW 4320 Advanced Poetry Writing Workshop or
   - CRW 4616 Advanced Scriptwriting Workshop

   c. Choose one of the following: 3 hrs
   - Select 1: 3 hrs
   - CRW 3311 Readings in Poetry for Creative Writing or
   - CRW 3540 Literary Magazines or
   - CRW 4114 History of Prose Style or
   - CRW 4724 The Florida Review or
   - CRW 4714 The Writing Life or
   - CRW 4722 Editing for Creative Writers or
   - any other CRW elective or Special Topics course

UNIVERSITY OF CENTRAL FLORIDA
Undergraduate Catalog 2015-2016
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 and achieve a minimum GPA of 2.0 in all courses used towards the major.
- 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
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CHEM 1020 Concepts in Chemistry 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Sophomore Year - Fall
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

Junior Year - Fall
- ENL 3296 American Literature I 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- ENL 4101 English Novel 3 hrs
- CRW 3210 Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- CRW 3311 Readings in Poetry for Creative Writing 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 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/academiclearningcompacts.html

English - Literature (B.A.)

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

http://english.ucf.edu

Email: english@ucf.edu

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.
UCF Degree Programs

- 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 B.1 list 3 hrs

C: Mathematical Foundations
- Math: 3 hrs
  - Suggested MGF 1106 Finite Mathematics or 3 hrs
  - Suggested MGF 1107 Explorations in Mathematics or 3 hrs
  - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers
- Select a course from GEP C.2 list 3 hrs

D: Social Foundations

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- GEPrerequisite for all 4000 level AML, ENG, ENL, or LIT courses.

3. Core Requirements: Basic Level (6 hrs)
- ENG 3014 Theories and Techniques of Literature Study 3 hrs

Choose one gateway course 3 hrs
- CRW 3013 Creative Writing for English Majors or 3 hrs
- ENG 3241 Writing for the Technical Professional or 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

4. Core Requirements: Advanced Level (15 hrs)
- Literary History Requirement
- Choose five courses from the two groupings

Select at least two pre-1865 literature courses 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs
- AML 3031 American Literature I or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- ENL 2012 English Literature I or 3 hrs
- ENL 4220 English Renaissance Poetry and Prose or 3 hrs
- ENL 4230 18th Century Studies or 3 hrs
- ENL 4240 English Romantic Writers or 3 hrs
- LIT 4374 Literature of the Bible or 3 hrs
- AML 3286 Early American Women’s Words or 3 hrs
- AML 3640 Native American Literature or 3 hrs
- ENL 3296 Gothic Literature 3 hrs

Select at least two post-1865 literature courses 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs
- AML 3041 American Literature II or 3 hrs
- AML 3283 Contemporary American Women’s Fiction or 3 hrs
- AML 3614 Topics in African-American Literature or 3 hrs
- AML 3615 Harlem, Haiti, and Havana or 3 hrs
- AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
- AML 4101 American Novel or 3 hrs
- AML 4155 Modern American Poetry or 3 hrs
- AML 4261 Literature of the South or 3 hrs

5. Restricted Electives (15 hrs)
- Upper Division Requirements
  - Choose 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
    - LIT 4244 World Authors 3 hrs
  - Choose one linguistics or theory course: 3 hrs
    - Select 1: 3 hrs
    - ENG 3010 Practical Criticism or 3 hrs
    - LIN 3010 Principles of Linguistics or 3 hrs
    - LIN 4105 History of the English Language or 3 hrs
    - LIN 4643 Cross Cultural Communication or 3 hrs
    - LIN 4680 Linguistics and Literature or 3 hrs
    - LIN 4680 Modern English Grammar or 3 hrs
    - LIT 4554 Advanced Feminist Theories 3 hrs

Three additional upper level courses 9 hrs
- AML, ENL, LIT or ENG prefix

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain and achieve a minimum GPA of 2.0 in all courses used towards the major.
- Computer Competency met by completion of ENG 3014.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
<table>
<thead>
<tr>
<th>UCF Degree Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junior Year - Fall</td>
</tr>
<tr>
<td>CRW 3013</td>
</tr>
<tr>
<td>ENL 4273</td>
</tr>
<tr>
<td>LIN 4105</td>
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<tr>
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<tr>
<td>Junior Year - Spring</td>
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<tr>
<td>ENL 3231</td>
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<tr>
<td>AML 4261</td>
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<td>ENL 4333</td>
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<tr>
<td>Senior Year - Fall</td>
</tr>
<tr>
<td>AML 4101</td>
</tr>
<tr>
<td>ENL 4253</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Senior Year - Spring</td>
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<tr>
<td>LIT 3383</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Restricted Elective</td>
</tr>
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</table>

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/academiclearningcompacts.html](http://www.o eas.ucf.edu/academiclearningcompacts.html)

English - Technical Communication (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
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 ENL 1101 Composition I 3 hrs
- Required ENL 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
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 3 hrs
- Select a course from GEP C.2 list 3 hrs

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

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
</tr>
<tr>
<td>HUM 2210</td>
</tr>
<tr>
<td>MGF 1106</td>
</tr>
<tr>
<td>POS 2041</td>
</tr>
<tr>
<td>SPC 1608</td>
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<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
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</thead>
<tbody>
<tr>
<td>CHM 1020</td>
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<tr>
<td>ENC 1102</td>
</tr>
<tr>
<td>LIT 2110</td>
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<tr>
<td>STA 1063C</td>
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<td>1 SPN 1120C</td>
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1 Any language course at this level is acceptable.

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<tr>
<th>Sophomore Year - Fall</th>
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<tbody>
<tr>
<td>BSC 1005</td>
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<tr>
<td>LIT 2120</td>
</tr>
<tr>
<td>PSY 2012</td>
</tr>
<tr>
<td>Restricted Elective</td>
</tr>
<tr>
<td>1 SPN 1121C</td>
</tr>
</tbody>
</table>

1 Any language course at this level is acceptable.

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
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</thead>
<tbody>
<tr>
<td>ENG 3014</td>
</tr>
<tr>
<td>AML 3031</td>
</tr>
<tr>
<td>AML 3041</td>
</tr>
<tr>
<td>Restricted Elective</td>
</tr>
<tr>
<td>1 SPN 2200</td>
</tr>
</tbody>
</table>

1 Third semester of language can be replaced with a diversity course.
See department advisor for list of approved courses.
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
   ENL 3218  Theories and Techniques of Literature or 3 hrs
   CRW 3053  Theory & Practice of Creative Writing  3 hrs

4. Core Requirements: Advanced Level  (15 hrs)
   Select 1:  3 hrs
   ENC 4280  Technical Writing Style  3 hrs
   ENC 4293  Documentation and the Collaborative
   Process  3 hrs
   ENC 4294  Documentation and Client-Based
   Collaboration  3 hrs
   LIT 4433  Literature of Science and Technology  3 hrs

   Select 1:  3 hrs
   ENC 4215  Technical Publication and Project
   Management or  3 hrs
   ENC 4218  The Visual in Technical Documentation  3 hrs

5. 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 4415  Digital Rhetorics and The Modern Dialectic  3 hrs

Optional course:
   ENC 4941  Internship  1 hr

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - None
   Graduation
   - Proficiency equivalent to three semesters of college
   instruction in a foreign language taught by the Department
   of Modern Languages and Literatures or Judaic Studies.
   Standardized examinations for foreign languages may be
   used to meet the requirement. With departmental approval,
   a cultural/multicultural or related course offered by the
   Department of English may be used to satisfy one semester
   of the Graduation requirement.

8. Electives
   - 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 and achieve a minimum GPA of 2.0 in all
      courses used towards the major.
    - 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
## Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oead.ucf.edu/academiclearningcompacts.html](http://www.oead.ucf.edu/academiclearningcompacts.html)

## English Language Arts Education (B.S.)

**College of Education and Human Performance**

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

**Education Building, Room: 209**


Dr. Elsie Olan, ED 223N, Elsie.Olan@ucf.edu, 407-823-5179

Dr. Janet Andreasen, Janet.Andreasen@ucf.edu

The English Language Arts Education B.S. program offers students the option of two tracks: English Language Arts Education - Education Track and English Language Arts Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment outside formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

### 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.
- 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.
- Have a minimum 2.5 overall GPA.
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

### 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.
- The Education Track 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.

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I 3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II 3 hrs</td>
</tr>
<tr>
<td>Required SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education Program course from section B1 to meet Gordon Rule Requirement</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer MUL 2010 Enjoyment of Music or 3 hrs</td>
</tr>
<tr>
<td>Prefer THE 2000 Theatre Survey or 3 hrs</td>
</tr>
<tr>
<td>Prefer PHI 2010 Introduction to Philosophy 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer MGF 1106 Finite Mathematics 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs</td>
</tr>
<tr>
<td>Prefer STA 2014C Principles of Statistics 3 hrs</td>
</tr>
</tbody>
</table>
D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- Prefer ANT 2511 The Human Species or 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

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

3. Core Requirements: Basic Level (12 hrs)
- Education Track requires 12 semester hours
- Lifelong Learning Track requires 15 semester hours

Education Track 12 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
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP
- SPC 1608 Fundamentals of Oral Communication GEP
- LIT 2110 World Literature I GEP

3 hrs
- Select 1: 3 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

Select 1: 3 hrs
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (60 hrs)
- Education Track requires 63 semester hours
- Lifelong Learning Track requires 60 semester hours

Education Core Requirements 21 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4600 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EEX 4224 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

Select 1: 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EDF 4600 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EED 4603 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

Internship I Block 9 hrs
- Prior to Internship I, the student must have completed EDF 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: 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.
- 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/. LAE 4360 English Instructional Analysis 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 3940 Internship 3 hrs

Internship II 12 hrs
- All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.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-5.066-0.10.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (English 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- LAE 4941 Internship 12 hrs

Lifelong Learning Track Specialization 39 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.
- LAE 4464 Survey of Adolescent Literature 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs
- LIT 4043 Modern Drama As Literature 3 hrs
- LIT 4244 World Authors 3 hrs
- LIT 3482 Literature & Popular Culture 3 hrs
- LIT 3931 Topics in World Literature 3 hrs
- ENL 4333 Shakespeare Studies 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.

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

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

Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs
- LIT 4043 Modern Drama As Literature 3 hrs
- LIT 4244 World Authors 3 hrs
- LIT 3482 Literature & Popular Culture 3 hrs
- LIT 3931 Topics in World Literature 3 hrs
- ENL 4333 Shakespeare Studies 3 hrs
LIT 4374  Literature of the Bible  3 hrs
CRW 3120  Fiction Writing Workshop  3 hrs
EDG 4941  Directed Field Experience  1 hr
EDG 4948  Service Learning  3 hrs
DIG 3525  Digital Media Production I  3 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
DIG 3811  User-Centered Design  3 hrs
DEP 2004C Developmental Psychology  3 hrs
DEP 3202  Psychology of Exceptional Children  3 hrs
DEP 3464  Psychology of Aging  3 hrs
EXP 3604C Cognitive Psychology  4 hrs
EXP 3250  Principles of Human Factors Psychology  3 hrs
EAB 3703C Principles of Behavior Modification  4 hrs
MAN 4583  Project Management  3 hrs
MAN 3025  Management of Organizations  3 hrs
MAN 4101  Human Relations in Management  3 hrs
MAR 3023  Marketing  3 hrs
ECT 4184  Curriculum Development Techniques for Industry Training  3 hrs
HFT 1000  Introduction to the Hospitality and Tourism Industry  3 hrs
HFT 2750  The Event Industry  3 hrs
HFT 3798  Fairs and Festivals  3 hrs
HFT 4754  Exhibit and Trade Show Operations  3 hrs

5. Restricted Electives
None

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
None

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
Achieve a minimum 2.5 GPA in all courses within the major.

Education Track
Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practicess.
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. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator's Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

Lifelong Learning Track
Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth and reflection.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.

UCF Degree Programs

Freshman Year - Fall 12 hrs
GEP B1 Elective  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
ENC 1102  Composition II  3 hrs
POS 2041  American National Government  3 hrs
PSC 1121  Physical Science  3 hrs

Select 1: MUL 2010  Enjoyment of Music or THE 2000  Theatre Survey or PHI 2010  Introduction to Philosophy  3 hrs

Freshman Year - Summer 6 hrs
LIT 2110  World Literature I  3 hrs

Education Track 3 hrs
EDF 2130  Child and Adolescent Development for Educators  3 hrs

Lifelong Learning Track 3 hrs
EDF 2130  Child and Adolescent Development for Educators or EDP 2270  Adult Development & Learning  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: ANT 2511  The Human Species or BSC 1005  Biological Principles  3 hrs

Select 1: STA 2014C Principles of Statistics or STA 1063C Basic Statistics Using Microsoft Excel  3 hrs

Sophomore Year - Spring 12 hrs
ENL 2012  English Literature I  3 hrs
EDC 2065  Introduction to Diversity for Educators  3 hrs
EME 2040  Introduction to Technology for Educators  3 hrs

Education Track 3 hrs
AML 3031  American Literature I  3 hrs

Lifelong Learning Track 3 hrs
MHS 2330  Career Planning  3 hrs

Sophomore Year - Summer 6 hrs
TSL 4080  Theory and Practice of Teaching ESOL  3 hrs
ENL 222  English Literature II  3 hrs
UCF Degree Programs

Junior Year - Fall 15 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
Education Track 6 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
Select 1:
ENC 3311 Essay as Cultural Commentary or 3 hrs
LIN 4105 History of the English Language 3 hrs
Lifelong Learning Track 6 hrs
Choose Lifelong Learning Specialization courses 6 hrs
Junior Year - Spring 15 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safely Issues in Schools 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
Education Track 9 hrs
AML 3041 American Literature II and 3 hrs
LAE 4464 Survey of Adolescent Literature and 3 hrs
LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs
Lifelong Learning Track 9 hrs
Choose Lifelong Learning Specialization courses 9 hrs
Junior Year - Summer 3 hrs
Education Track 3 hrs
ENG 3014 Theories and Techniques of Literature Study 3 hrs
Lifelong Learning Track 3 hrs
Choose a Lifelong Learning Specialization course 3 hrs
Senior Year - Fall 12 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
Education Track 9 hrs
LAE 4360 English Instructional Analysis and Internship and 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
Lifelong Learning Track 9 hrs
Choose Lifelong Learning Specialization courses 9 hrs
Senior Year - Spring 12 hrs
Education Track 12 hrs
LAE 4941 Internship 12 hrs
Lifelong Learning Track 12 hrs
Choose Lifelong Learning Specialization courses 12 hrs
Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.o eas.ucf.edu/academiclearningcompacts.html
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 complete a change of major 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 4 Advanced Core Requirements, and section 6 Capstone Requirements.

Students in the Environmental Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Environmental Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.

Students in the Environmental Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Environmental Engineering who repeats any UCF course and does not earn a grade of “C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors.

Any student majoring in Environmental Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Environmental Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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
Select two courses from Historical Foundations 6 hrs
Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations
Select one course from Social Foundations Group 1 3 hrs
Select one course from Social Foundations Group 2 3 hrs

E: Science Foundations
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
  CHM 2045C Chemistry Fundamentals I 4 hrs
  or
  CHM 2040 Chemistry Fundamentals IA and
  CHM 2041 Chemistry Fundamentals IB 3 hrs

1 Also satisfy UCF GEP sub-requirements

3. Core Requirements: Basic Level (9 hrs)
Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr
CHM 2045C Chemistry Fundamentals I CPP
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2048L Chemistry Fundamentals Laboratory 1 hr
Earth Science 3 hrs
Biological Science 3 hrs

1 A “C” (2.0) or better is required in this course.

4. Core Requirements: Advanced Level (53 hrs)
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3331 Mechanics of Materials 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
CCE 4003 Introduction to the Construction Industry 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
CWR 3201 Engineering Fluid Mechanics 3 hrs
CEG 4011C Geotechnical Engineering I 4 hrs
EES 4111C Biological Process Control 3 hrs
EES 4202C Chemical Process Control 4 hrs
ENR 4531 Environmental Engineering Operations and Processes I 3 hrs
CWR 4632C Water Resources Engineering I 4 hrs
CWR 4633C Water Resources Engineering II 3 hrs
ENV 4120 Air Pollution Control 3 hrs
ENV 4562C Environmental Engineering Operations & Processes II 3 hrs
ENV 4341 Solid & Hazardous Waste Management 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 BSEnvE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Required Senior Design Courses
  CEN 4808C CECE Capstone Design 3 hrs

Design Specialization 3 hrs
- Must be completed before registering for CGN 4808C - Capstone Design
  ENV 4433C Environmental Engineering Wastewater Design or
  1 ENV 4122C Air Pollution Control Design or 3 hrs
  1 ENV 4300C Solid Waste Facility Design or 3 hrs
  1 ENV 4562C Environmental Engineering Water Treatment Design

1 A “C” (2.0) or better is required in this course.

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- EnvE students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required 128

Honors in Major
- None

Related Programs
- Chemistry
- Construction Engineering
- Civil Engineering

Certificates
- None

Related Minors
- Chemistry
- Environmental Studies
- Mathematics
- Engineering Leadership
- Bioengineering

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
UCF Degree Programs

The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 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 1110 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr
- BIO 1050 Biology and Environment 3 hrs
- GEP 3 hrs

Freshman Year - Spring

- ENC 1112 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
- GEO 1200 Physical Geography 3 hrs

Sophomore Year - Fall

- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- GEP 3 hrs

Sophomore Year - Spring

- MAP 2302 Ordinary Differential Equations I 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs

Sophomore Year - Summer

- EGN 3343 Thermodynamics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs

Junior Year - Fall

- ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- EES 4202C Chemical Process Control 4 hrs
- ENV 4120 Air Pollution Control 3 hrs
- CWR 4632C Water Resources Engineering I 4 hrs

Junior Year - Spring

- ENV 4341 Solid & Hazardous Waste Management 3 hrs
- EES 4111C Biological Process Control 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II 3 hrs
- GEP 3 hrs

Senior Year - Fall

- CEG 4011C Geotechnical Engineering I 4 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CWR 4633C Water Resources Engineering II 3 hrs
- GEP 3 hrs

Senior Year - Spring

- Restricted Elective 3 hrs
- GEP 6 hrs
- EGN 4808C CECE Capstone Design 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

Equipment Fees

- Part-Time Student: $44 per term
- Full-Time Student: $87 per term

Event Management (B.S.)

Rosen College of Hospitality Management
Department of Tourism Event and Attractions
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu

Email: hospitality@mail.ucf.edu

Dr. Roberto Croes, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements

- None

Degree Requirements

- Students must earn a minimum 2.0 overall GPA in all course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.

- Students must earn a "C" (2.0) or better in each course listed in the common program prerequisites, the basic and advanced cores, and the restricted electives.

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)

Selects:

1. Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

2. Required PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2003 General Anthropology

Selects:

1. Required STA 2023 Statistical Methods I

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

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

HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
3. Core Requirements: Basic Level
MAC 1105C  College Algebra  GEP

Select 1:
STA 2023  Statistical Methods I or  GEP
CGS 2100C  Computer Fundamentals for Business  GEP

Select 1:
ECO 2013  Principles of Macroeconomics or  GEP
ECO 2023  Principles of Microeconomics  GEP

4. Core Requirements: Advanced Level  (55 hrs)

Hospitality Management Core  24 hrs
HFT 2401  Hospitality Industry Financial Accounting  3 hrs
HFT 2500  Hospitality and Tourism Marketing  3 hrs
HFT 2220  Hospitality Human Resources Management  3 hrs
HFT 2254  Lodging Operations  3 hrs
HFT 3431  Hospitality Industry Managerial Accounting  3 hrs
HFT 3540  Guest Services Management I  3 hrs
HFT 4286  Hospitality Communications  3 hrs
HFT 4464  Hospitality Industry Finance  3 hrs

Internships  3 hrs
HFT 3940  Internship I  1 hr
HFT 4941  Internship II  1 hr
HFT 4944  Internship III  1 hr

Event Management Core  28 hrs
FSS 2284C  Food Preparation for Catered Events  4 hrs
HFT 2750  The Event Industry  3 hrs
HFT 3670  Hospitality and Event Risk Management  3 hrs
HFT 3512  Event Promotion  3 hrs
HFT 3519  Event Services  3 hrs
HFT 3523  Event Sales  3 hrs
HFT 4757  Event Management  3 hrs
HFT 3443  Event Technology  3 hrs
HFT 4802  Catering Sales Management  3 hrs

5. Restricted Electives  (15 hrs)
Complete any five restricted Event  15 hrs

Management Electives
HFT 3741  Meeting Management or  3 hrs
HFT 4754  Exhibit and Trade Show Operations or  3 hrs
HFT 4795  Entertainment Arts and Events or  3 hrs
HFT 3798  Fairs and Festivals or  3 hrs
HFT 4561  Destination Marketing or  3 hrs
HFT 4736  Destination Management or  3 hrs
HFT 4796  International Events or  3 hrs
HFT 4375  Advanced Trade Show Management or  3 hrs
HFT 3868  History and Culture of Wine or  3 hrs
HFT 3357  Golf & Club Event Operations  3 hrs

6. Capstone Requirements
 None

7. Foreign Language Requirements
 State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
 None

8. Electives
 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
 Final exams will be given during Final Exam Week only.
 Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

10. Required Minors
 None

11. Departmental Exit Requirements
 None

12. University Minimum Exit Requirements
 A 2.0 UCF GPA
 60 semester hours earned after CLEP awarded

UCF Degree Programs

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

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 15 hrs
ENC 1101  Composition I  3 hrs
HFT 1000  Introduction to the Hospitality and Tourism Industry  3 hrs
MAC 1105C  College Algebra  3 hrs
Cult./Hist. Foundations 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
HFT 2254  Lodging Operations  3 hrs
HFT 2750  The Event Industry  3 hrs
Cult./Hist. Foundations II  3 hrs

Select 1:  3 hrs
CGS 1060C  Introduction to Computers or  3 hrs
STA 2023  Statistical Methods I  3 hrs

Sophomore Year - Fall 16 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
HFT 2500  Hospitality and Tourism Marketing  3 hrs
FSS 2284C  Food Preparation for Catered Events  4 hrs
Science Foundations I  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 2401  Hospitality Industry Financial Accounting  3 hrs
HFT 2220  Hospitality Human Resources Management  3 hrs
Science Foundations II  3 hrs
Cult./Hist. Foundations III  3 hrs
Free Elective  3 hrs
UCF Degree Programs

Junior Year - Fall 16 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3519 Event Services 3 hrs
- HFT 3670 Hospitality and Event Risk Management 3 hrs
- HFT 3512 Event Promotion 3 hrs
- HFT 3940 Internship I 1 hr

Junior Year - Spring 16 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 3523 Event Sales 3 hrs
- HFT 3443 Event Technology 3 hrs
- HFT 4941 Internship II 1 hr
- Event Restricted Electives 3 hrs
- Free Elective 3 hrs

Senior Year - Fall 16 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4944 Internship III 1 hr
- Event Restricted Electives 12 hrs

Senior Year - Spring 12 hrs
- HFT 4757 Event Management 3 hrs
- HFT 4902 Catering Sales Management 3 hrs
- Event Restricted Elective 3 hrs
- Free Electives 3 hrs

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

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Film (B.F.A.)

College of Arts and Humanities
School of Visual Arts and Humanities,
Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Admission Requirements
- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors.
- Exceptions must be approved by the Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major. Contact the Film Department for details, or visit the website, http://www.film.cah.ucf.edu.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in Film major courses.
- A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.
- All students are required to pay a fee for equipment insurance.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
1. UCF General Education Program (GEP) (36 hrs)
- See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Prefer FIL 3030 History of Motion Pictures 3 hrs
- Prefer one course from B.1 list 3 hrs
- Prefer one course from either B.1 or B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Math 3 hrs
- Prefer MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics or You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers 3 hrs
- Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (21 hrs)
- Lower level core requirements
- FIL 2107 Script Analysis 3 hrs
- FIL 1009 Cinematic Expression for Majors 3 hrs
- FIL 2552 Editing I 3 hrs
- FIL 2460 Directing for Film I 3 hrs
- FIL 2551 Cinematography I 3 hrs
- FIL 2481 Directing the Actor for Film I 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
- Upper level core requirements
- FIL 3115 Short Script I 3 hrs
- FIL 3132 Short Script II 3 hrs
- FIL 3427C Introduction to Film Production 3 hrs
- FIL 3534 Sound Design for Film I 3 hrs
- FIL 3036 Film History I 3 hrs
- FIL 3037 Film History II 3 hrs
- FIL 3833C Film Theory and Criticism I 3 hrs
- FIL 3922 Film Colloquium I 1 hr
- FIL 4466C Directing for Film II 3 hrs
- FIL 4661 The Film Producer 3 hrs
- FIL 4647 Film Production Management 3 hrs

- 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 3880C Images of Women in Film 3 hrs
- FIL 3881 Black Cinema 3 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3804C Film Theory and Criticism II 3 hrs
- FIL 3841 French New Wave Cinema 3 hrs
- FIL 3824 Italian Neo-Realist Cinema 3 hrs
- FIL 3847 Latin American Cinema 3 hrs
- FIL 3820 Italian Film 3 hrs
- FIL 3822 French Film 3 hrs
- FIL 3823 German Film 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- FIL 4436 Film Theory/Film Production 3 hrs
### Digital Cinema

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ART 2823</td>
<td>Art as Interface</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3618</td>
<td>Post-Production Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4855</td>
<td>Converging Media Capstone</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3138C</td>
<td>Digital Imagery</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4780C</td>
<td>Modeling for Realtime Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4415</td>
<td>Digital Rhetorics and The Modern Dialectic</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3134</td>
<td>Media Software Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUC 3311</td>
<td>MIDI Sequencing I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 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

### Plan of Study

#### Freshman Year - Fall
- ENC 1101: Composition I 3 hrs
- FIL 1007: Foundations of Story 3 hrs
- GEP: 3 hrs

#### Freshman Year - Spring
- ENC 1102: Composition II 3 hrs
- FIL 2030: History of Motion Pictures 3 hrs
- GEP: 3 hrs

#### Sophomore Year - Fall
- FIL 2107: Script Analysis 3 hrs
- FIL 3427C: Introduction to Film Production 3 hrs
- FIL 1008: Cinematic Expression/Aesthetics 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 3115: Short Script I 3 hrs
- GEP: 3 hrs

#### Sophomore Year - Summer
- GEP: 3 hrs

#### Junior Year - Fall
- FIL 3534: Sound Design for Film I 3 hrs
- FIL 3803C: Film Theory and Criticism I 3 hrs
- FIL 4486C: Directing for Film II 3 hrs

#### Senior Year - Fall
- FIL 4434C: Capstone I 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs

#### Senior Year - Spring
- FIL 4573C: Capstone II 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs

### Senior Year - Spring
- FIL 4573C: Capstone II 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecas.ucf.edu/academiclearningcompacts.html

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
UCF Degree Programs

Film - Cinema Studies Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students are required to maintain an overall average of "C" (2.0) or better in major courses.
■ Film production/directing classes are not open to Cinema Studies majors.
■ Cinema Studies Track is not an entrance into the BFA Film Program.
■ Internship credit can be used in this major.
■ Students must consult with a departmental advisor each semester.
■ Departmental Residency Requirement consists of at least 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 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)
   F: Science Foundations (6 hrs)
   G: Core Program Prerequisites (CPP) (3 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Statistics-Computers
Select a course from GEP C.2 list 3 hrs
■ May substitute a higher level math with appropriate scores on the Math Placement Exam.

Math
3 hrs
1 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.

2. Common Program Prerequisites (CPP) (3 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   ■ Select a course from the following upper level FIL courses:

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 3062C  Cinematic Expression 3 hrs
   FIL 3303C  Film Documentary 3 hrs
   FIL 3306  Film History I 3 hrs
   FIL 3307  Film History II 3 hrs
   FIL 3351  Avant-Garde Cinema 3 hrs
   FIL 3380C  Film Theory and Criticism I 3 hrs
   FIL 3384C  Film Theory and Criticism II 3 hrs
   FIL 3385  World Cinema Traditions 3 hrs
   FIL 3386  American Cinema 3 hrs
   FIL 4861  The Film Producer 3 hrs

Select 1: 3 hrs
   FIL 3102  Writing for Film and TV or
   FIL 3115  Short Script I 3 hrs

5. Restricted Electives (9 hrs)
   ■ Select three courses from the following upper level FIL courses:
   ■ A maximum of 6 hours Independent Study and/or internship credit may be used
   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 3842  History of Animated Films I 3 hrs
   FIL 3843  Italian Neo-Realist Cinema 3 hrs
   FIL 3844  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
   DIG 4855  Converging Media Capstone 3 hrs
   DIG 4704  Interactive Entertainment 3 hrs
   FIL 3847  Latin American Cinema 3 hrs
   FIL 5612  Film and Internet Business 3 hrs
   FIL 3852  Cinema Criticism Writing 3 hrs

6. Capstone Requirements
■ None

7. Graduation Requirements
Admissions
■ 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.
Graduation
■ A student must maintain an overall average of "C" (2.0) or better in major courses.
■ Students who change degree programs and select this major must adopt the most current catalog.
■ A 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.

8. Electives
■ Select 12 credits 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.
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A 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.

12. University Minimum Exit Requirements
■ 120 Honors In Major
■ None

Related Programs
■ Art
■ Music
■ Theatre
■ Film
■ English - Creative Writing
■ Film
■ Film - World Cinema Track

Certificates
■ None
Prerequisites
Acceptable Substitutes for Common Program
Acceptable Substitutes for Transfer Courses
A student must provide all supporting 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
Acceptable Substitutes for Common Program
Prerequisites
FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
FIL 1007 may use any introductory film writing course. However, FIL 1007 is a prerequisite for all major courses and must be taken.

Plan of Study
A minor is required. This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

Freshman Year - Fall 13 hrs
- ENC 1101 Composition I 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- Foreign Language Elementary Level I 4 hrs
- GEP 3 hrs

Freshman Year - Spring 13 hrs
- ENC 1102 Composition II 3 hrs
- FIL 1007 Foundations of Story 3 hrs
- Foreign Language Elementary Level II 4 hrs
- GEP 3 hrs

Freshman Year - Summer 9 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 15 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 1008 Cinematic Expression/Aesthetics 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 15 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 2423 Foundations of Production 3 hrs
- FIL 3102 Writing for Film and TV 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- FIL 3363C Film Documentary 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 3036 Film History I 3 hrs
- FIL XXX - Elective 3 hrs
- Minor 3 hrs

Junior Year - Spring 15 hrs
- FIL 3037 Film History II 3 hrs
- FIL 3426C Cinematic Expression 3 hrs
- FIL 3604C Film Theory and Criticism II 3 hrs
- FIL 4601 The Film Producer 3 hrs
- Minor 3 hrs

Senior Year - Fall 15 hrs
- FIL 3828 American Cinema 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL XXX - Elective 3 hrs
- Minor 3 hrs
- Minor 3 hrs

Senior Year - Spring 12 hrs
- FIL 3951 Avant-Garde Cinema 3 hrs
- FIL XXX - Elective 3 hrs
- Minor 3 hrs
- Minor 3 hrs

Equipment Fees
Part-Time Student: $45 per term
Full-Time Student: $90 per term

Finance (B.S.B.A.)
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://business.ucf.edu/undergraduate-programs
Phone: 407-823-3575

The study of finance prepares students for careers in corporate finance, investments, banking and real estate. 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, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least “B” (3.0) in FIN 3403, at least a “B” (3.0) in ACG 3173 and at least a “C” (2.0) in ACG 3131.
- One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites

Degree Requirements
- Students who change their degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Finance must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours 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.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Finance major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Finance courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Finance major and/or College of Business. A student who is dismissed may seek consideration for readmittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
**UCF Degree Programs**

- Students must earn a “B” (3.0) or higher in FIN 3403 and ACG 3173 (or a “C” (2.0) or higher in ACG 3131). In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
     - Prefer SPC 1658 Fundamentals of Oral Communication
   - **B: Cultural & Historical Foundations** (9 hrs)
     - **Required Courses for Major** 12 hrs
   - **C: Mathematical Foundations** (6 hrs)
     - Required CGS 2100C Computer Fundamentals for Business
     - Required MAC 1105C College Algebra
   - **D: Social Foundations** (6 hrs)
     - Select 1: 3 hrs
     - Prefer ECO 2013 Principles of Macroeconomics or
     - Prefer 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)
     - **2. Common Program Prerequisites (CPP)** (18 hrs)
     - Must be completed with a “C” (2.0) or better.
     - ACG 2021 Principles of Managerial Accounting 3 hrs
     - ACG 2071 Principles of Managerial Accounting 3 hrs
     - CGS 2100C Computer Fundamentals for Business 3 hrs
     - ECO 2013 Principles of Macroeconomics 3 hrs
     - ECO 2023 Principles of Microeconomics 3 hrs
     - 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 Statistical Methods I 3 hrs
     - STA 2023 Statistical Methods I 3 hrs
     - or MAC 2311 and MAC 2312
   - **3. Core Requirements: Basic Level** None
   - **4. Core Requirements: Advanced Level** (40 hrs)
     - **Primary Core** 15 hrs
     - ACG 3173 Accounting for Decision-Makers 3 hrs
     - ECO 3411 Quantitative Business Tools II 3 hrs
     - FIN 3403 Business Finance 3 hrs
     - MAN 3025 Management of Organizations 3 hrs
     - MAR 3023 Marketing 3 hrs
     - **Secondary Core** 13 hrs
     - GEB 3003 Career Research & Planning 1 hr
     - GEB 3005 Career Search Strategy 1 hr
     - BUL 3130 Legal and Ethical Environment of Business 3 hrs
     - GEB 3375 Introduction to International Business 3 hrs
     - MAR 3203 Supply Chain and Operations Management 3 hrs
     - GEB 4223 Business Interviewing Techniques 1 hr
     - GEB 4004 Executing Your Career Plan 1 hr
     - **Required Courses for Major** 12 hrs
     - FIN 3414 Intermediate Corporate Finance 3 hrs
     - FIN 3303 Financial Markets 3 hrs
     - FIN 3504 Investment Analysis 3 hrs
     - FIN 4424 Advanced Topics in Financial Management 3 hrs
   - **5. Restricted Electives** (15 hrs)
   - **Finance Electives** 6 hrs
     - Select 2: 6 hrs
     - FIN 3461 Financial Statement Analysis 3 hrs
     - FIN 4324 Commercial Bank Management 3 hrs
     - FIN 4453 Financial Models 3 hrs
     - FIN 4514 Portfolio Analysis and Management 3 hrs
     - FIN 4533 Financial Derivatives 3 hrs
     - FIN 4604 International Financial Management 3 hrs
     - **Finance Restricted Electives** 6 hrs
     - Select two below or an additional two courses from the Finance Electives above:
     - ACG 3141 Intermediate Financial Accounting II 3 hrs
     - ECO 4412 Econometrics 3 hrs
     - ECO 3101 Intermediate Microeconomics 3 hrs
     - ECO 3203 Intermediate Macroeconomics 3 hrs
     - FIN 4906 Directed Independent Study 3 hrs
     - FIN 4941 Finance Internship 3 hrs
     - FIN 4903H Honors Directed Reading I 3 hrs
     - FIN 4970H Undergraduate Honors Thesis 3 hrs
     - GEB 4374 International Negotiations and Transactions 3 hrs
     - MAR 3391 Professional Selling 3 hrs
     - REE 4203 Commercial Real Estate Finance 3 hrs
     - REE 4303 Real Estate Investment Analysis 3 hrs
     - 1 Must be an accounting major or accounting minor to register for this course.
     - Internship course requires an overall GPA of 2.75 and a 3.0 GPA in the major.
     - 3 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.
   - **Business Elective** 3 hrs
     - Any upper level business course.
   - **6. Capstone Requirements** (3 hrs)
     - An approved Intent to Graduate must be on file in order to register for MAN 4720.
     - MAN 4720 Strategic Management 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**
     - Variable
   - **9. Additional Requirements**
     - None
   - **10. Required Minors**
     - None
   - **11. Departmental Exit Requirements**
     - A minimum major GPA of 2.75 and a minimum College of Business 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**
       - 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, and at least two semesters remaining prior to graduation.
       - Admission: Application for admission to the Honors in the Major program must be approved by both the Chair of the Finance Department 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 two honors courses (total of 6 credit hours) as follows:
           - **Honors in Major Credit Requirements** 6 hrs
           - Required Honors Reading Course 3 hrs
           - FIN 4953H Honors Directed Reading I 3 hrs
Required Honors Thesis  
FIN 4970H  Undergraduate Honors Thesis  3 hrs

Sophomore Year - Spring  
ACG 2071  Principles of Managerial Accounting  3 hrs
ECO 3401  Quantitative Business Tools I  3 hrs
CGB 2100C  Computer Fundamentals for Business  3 hrs
Historical Foundation II  3 hrs
Science  3 hrs

Related Programs  
- None

Certificate
- 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.

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 a minimum of 30 of the 58 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
- General electives as required to earn 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Freshman Year - Fall  
15 hrs
ENC 1101  Composition I  3 hrs
MAC 1105C  College Algebra  3 hrs
ECO 2013  Principles of Macroeconomics  3 hrs
Cultural Foundation I  3 hrs
Elective  3 hrs

Freshman Year - Spring  
15 hrs
ENC 1102  Composition II  3 hrs
ECO 2023  Principles of Microeconomics  3 hrs
Social Foundation  3 hrs
Elective  3 hrs
Elective  3 hrs

Sophomore Year - Fall  
15 hrs
ACG 2071  Principles of Financial Accounting  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
Science  3 hrs
Historical Foundation I  3 hrs
Elective  3 hrs

Junior Year - Fall  
16 hrs
ACG 3173  Accounting for Decision-Makers  3 hrs
ECO 3411  Quantitative Business Tools II  3 hrs
MAN 3025  Management of Organizations  3 hrs
MAR 3023  Marketing  3 hrs
FIN 3403  Business Finance  3 hrs
GEB 3003  Career Research & Planning  1 hr

Junior Year - Spring  
15 hrs
GEB 3375  Introduction to International Business  3 hrs
FIN 3414  Intermediate Corporate Finance  3 hrs
FIN 3303  Financial Markets  3 hrs
GEB 3005  Career Search Strategy  1 hr
Business Elective  3 hrs
Elective  2 hrs

Senior Year - Fall  
16 hrs
BUL 3130  Legal and Ethical Environment of Business  3 hrs
MAR 3203  Supply Chain and Operations Management  3 hrs
FIN 3504  Investment Analysis  3 hrs
FIN Restricted Elective  3 hrs
FIN Elective  3 hrs
GEB 4223  Business Interviewing Techniques  1 hr

Senior Year - Spring  
14 hrs
FIN 4424  Advanced Topics in Financial Management  3 hrs
MAN 4720  Strategic Management  3 hrs
MAR Elective  3 hrs
FIN Restricted Elective  3 hrs
GEB 4004  Executing Your Career Plan  1 hr

Program Academic Learning Compacts  
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Forensic Science - Analysis Track (B.S.)
College of Sciences
Department of Chemistry, Chemistry, Room: 306A
http://chemistry.cos.ucf.edu/
Email: chemstaff@ucf.edu
Dr. G. Mattson, gerald.mattson@ucf.edu
Phone: 407-823-1522

Admission Requirements  
- None

Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

UNIVERSITY OF CENTRAL FLORIDA  211  Undergraduate Catalog 2015-2016

UCF Degree Programs
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)
     - Prefer 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)
   - C: Mathematical Foundations (7 hrs)
     - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
     - Required STA 2023 Statistical Methods I 3 hrs
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (8 hrs)
     - Required BSC 2010C Biology I 4 hrs
     - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Select one of the following sequences of courses:
     - CHM 2046L Chemistry Fundamentals I and 3 hrs
     - CHM 2041 Chemistry Fundamentals IB 3 hrs
   - Take all of the following:
     - CHM 2046L Chemistry Fundamentals I and 3 hrs
     - MAC 2311C Calculus with Analytic Geometry I and 3 hrs
     - MAC 2312 Calculus with Analytic Geometry II 4 hrs
     - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
   - Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - BSC 2010C Biology I and CPP
   - 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 and 3 hrs
   - Take all of the following:
     - CHM 2046L Chemistry Fundamentals I and 3 hrs
     - MAC 2311C Calculus with Analytic Geometry I and 3 hrs
     - MAC 2312 Calculus with Analytic Geometry II and 3 hrs
     - PHY 2048C Physics for Engineers & Scientists I and 3 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 and CPP
   - or
     - CHM 2040 Chemistry Fundamentals IA and CPP
     - CHM 2041 Chemistry Fundamentals IB and CPP
   - and
     - CHM 2046L Chemistry Fundamentals I and 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

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 3585 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 Techniques 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 I 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.

Graduation
   - None

8. Electives
   - Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
   - Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 2 and 3 of the departmental degree requirements.
   - Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 4 and 5 of the departmental degree requirements.
   - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in 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

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://knightsource.sdes.ucf.edu/placement
- 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 I 3 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- MAC 1140C Pre-Calculus Algebra 3 hrs
- ENC 1101 Composition I 3 hrs

Freshman Year - Spring
- CHM 2041 Chemistry Fundamentals II 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 2046 Chemistry Fundamentals Laboratory 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Lab may be taken in a later term if seats are not available.

Sophomore Year - Fall
- 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 2211 Organic Chemistry II 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- Restricted Elective 3 hrs
- GE 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
- GE 3 hrs

Junior Year - Spring
- CHS 3511C Trace Evidence 4 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- CHS 3596 Forensic Science in the Courtroom 3 hrs
- PCB 3063 Genetics 3 hrs

Senior Year - Fall
- CHS 5506C Forensic Investigation Technology 3 hrs
- CHS 4515C Forensic Scene Investigation 4 hrs

Senior Year - Spring
- CHM 4130 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 4590 Forensic Science Internship 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html

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: chemstaff@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
- Required ENC 1102 Composition II

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I
- Required STA 2023 Statistical Methods I

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I

D: Social Foundations (6 hrs)
UCF Degree Programs

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 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 (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/CPP
- or
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- and
- CHM 2046 Chemistry Fundamentals II and 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
- BSC 2010C Biology I and 4 hrs
- 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
- PHY 2049C Physics for Engineers and Scientists II and CPP

Basic Core: Additional Requirements 20 hrs
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I and 3 hrs
- CHM 3120 Analytical Chemistry and 3 hrs
- CHM 3120L Analytical Chemistry Laboratory and 1 hr
- STA 2023 Statistical Methods I and 3 hrs
- PCB 3063 Genetics and 3 hrs
- PCB 3063L Genetics Laboratory and 3 hrs
- 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 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.
- 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 after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

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

Total Semester Hours Required
- 124

Honors In Major
- None

Related Programs
- Chemistry
- Forensic Science - Analysis Track
- Biomedical Sciences

Certificates
- None

Related Minors
- Chemistry
- Biomedical Sciences

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test ~
- Before registering for Math, take Math Placement Test ~

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2015-2016
### Freshman Year - Fall

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<td>CHM 2040</td>
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<td>CHS 3501</td>
<td>Introduction to Forensic Science</td>
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<td>BSC 2010C</td>
<td>Biology I</td>
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<td>MAC 1140C</td>
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<td>ENC 1101</td>
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### Freshman Year - Spring

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<td>CHM 2041</td>
<td>Chemistry Fundamentals IB</td>
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<td>MAC 2311C</td>
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### Freshman Year - Summer

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<td>CHM 2046L</td>
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### Sophomore Year - Fall

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<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
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<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
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<tr>
<td>SPC 1600C</td>
<td>Fundamentals of Technical Presentations</td>
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### Sophomore Year - Spring

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<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
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<td>MCB 3020C</td>
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### Sophomore Year - Summer

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<tr>
<td>PHY 2049C</td>
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### Junior Year - Fall

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<td>PCB 3233</td>
<td>Immunology</td>
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### Junior Year - Spring

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<tr>
<td>CHS 4537</td>
<td>Forensic Laboratory Quality Assurance</td>
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<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry</td>
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<td>PCB 3063</td>
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### Senior Year - Fall

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<tr>
<td>CHS 3533</td>
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<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
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<td>PCB 3522</td>
<td>Molecular Biology I</td>
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<td>BSC 3403C</td>
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### Senior Year - Spring

<table>
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<td>CHS 4534C</td>
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<td>BCH 4054</td>
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<td>BCH 4103L</td>
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</tr>
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<td>PCB 4524</td>
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### Senior Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CHS 4591</td>
<td>Forensic Science 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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

---

### French (B.A.)

**College of Arts and Humanities**  
**Department of Modern Languages and Literatures**,  
Colbourn Hall, Room: 521  

Dr. Charlotte Trinquet, ctrinque@ucf.edu

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a “C” (2.0) in each upper division French course.

**Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.**

**Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.**

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

**Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.**

**Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**

1. **UCF General Education Program (GEP)**  
   - **(36 hrs)**
   - **A: Communication Foundations**  
     - **(9 hrs)**
   - **B: Cultural & Historical Foundations**  
     - **(9 hrs)**
   - **C: Mathematical Foundations**  
     - **(6 hrs)**
   - **Math**  
     - **6 hrs**
   - **Statistics - Computers**  
     - **3 hrs**

   *Select a course from GEP C.2 list*

2. **Social Foundations**  
   - **(6 hrs)**

3. **Science Foundations**  
   - **(6 hrs)**

4. **Common Program Prerequisites (CPP)**  
   - **(14 hrs)**

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

   1 FRE 1120C  
   Basic French Language and Civilization I  
   - **4 hrs**

   2 FRE 1121C  
   Elementary French Language and Civilization II  
   - **4 hrs**

   3 FRE 2200  
   Intermediate French Language and Civilization I  
   - **3 hrs**

   4 FRE 2201  
   Intermediate French Language and Civilization II  
   - **3 hrs**

*May be met by proficiency test or completion of FRE 2201.*

**Core Requirements: Basic Level**

- None
### UCF Degree Programs

#### 4. Core Requirements: Advanced Level (21 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW 3100 Survey of French Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 FRE 3300 French Grammar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 FRE 3420 French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 FRE 3760 Advanced French Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 FRE 3780 French Phonetics and Diction</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 FRE 4421 Advanced French Conversation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4422 Advanced French Composition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW 3101 Survey of French Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3770 Francophone Literature</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 A native or near-native French speaker must substitute an alternate upper division French course in consultation with a departmental advisor.

#### 5. Restricted Electives (15 hrs)

FRW course beyond the survey level (taught in French) 6 hrs
Select any upper level FRE, FRT, or FRW courses not already used in the major.

#### 6. Capstone Requirements

- None

#### 7. Foreign Language Requirements

**Admissions**

- Met by graduation requirements.

**Graduation**

- Met by Common Program Prerequisites

**Electives**

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

#### 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, entirely in French. The exam is offered at the end of each October and March and students need the approval of their advisor to take the exam. Students should discuss the optimal test date with their advisor and the French Program Director. Students may take the French Exit Exam a maximum of two times. Exceptions must be approved by the student’s French advisor and the French Program Director.
- Students must submit their portfolio (FRE 4950) to their French Faculty Advisor.
- Computer Competency met by the following or equivalent:
  - GCS 1060C 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 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.

#### Total Semester Hours Required

- 120

#### 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

#### Freshman Year - Fall 13 hrs

- ENC 1101 Composition I 3 hrs
- WOH 2012 World Civilization I 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs
- FRE 1120C Elementary French Language and Civilization I 4 hrs

#### Freshman Year - Spring 13 hrs

- ENC 1102 Composition II 3 hrs
- WOH 2022 World Civilization II 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- FRE 1121C Elementary French Language and Civilization II 4 hrs

#### Freshman Year - Summer 8 hrs

- FRE 2270 Intermediate French Study Abroad 8 hrs

#### Sophomore Year - Fall 12 hrs

- FRE 2200 Intermediate French Language and Civilization I 3 hrs
- Social Foundation (Group 1) 3 hrs
- Science Foundation (Group 2) 3 hrs

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1603C Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Spring 12 hrs

- LIT 2120 World Literature II 3 hrs
- FRE 2201 Intermediate French Language and Civilization II 3 hrs
- Social Foundation (Group 2) 3 hrs
- Science Foundation (Group 2) 3 hrs

#### Sophomore Year - Summer 6 hrs

- Study Abroad 6 hrs

#### Junior Year - Fall 12 hrs

- FRW 3100 Survey of French Literature I 3 hrs
- FRE 4421 Advanced French Conversation 3 hrs
- FRE 3300 French Grammar 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Spring 15 hrs

- FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 4422 Advanced French Composition 3 hrs
- FRE 3780 French Phonetics and Diction 3 hrs

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW 3101 Survey of French Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3770 Francophone Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Senior Year - Fall 12 hrs

- FRE 3420 French Composition 3 hrs
- FRE 3440 Business French I 3 hrs

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW 4552 Nineteenth Century French Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3370 Short Stories of 18th, 19th and 20th Centuries</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Health Informatics and Information Management (B.S.)

College of Health and Public Affairs

Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210

http://www.cohpa.ucf.edu/hmi/bshim.cfm
Dr. Alice M. Noblin, alice.noblin@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

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

2. Core Requirements: Basic Level (66 hrs)

3. Core Requirements: Advanced Level (72 hrs)

4. Electives (9 hrs)

5. Restricted Electives

6. Capstone Requirements

7. Foreign Language Requirements

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

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- 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
UCF Degree Programs

- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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

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
- ENG 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
- GEP Social 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP Historical 3 hrs
- GEP Social 3 hrs

Sophomore Year - Fall
- ZOO 3733C Human Anatomy 4 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- GEP Historical 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- PCB 3703C Human Physiology 4 hrs
- GEP Communication 3 hrs
- GEP Cultural 3 hrs

Junior Year - Fall
- 1 HSA 4191 Fundamentals of Health Information Technology 3 hrs
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- 1 HSC 3537 Medical Terminology 3 hrs
- HSC 2524 Introduction to Human Disease 3 hrs

Select 1:
- 1 MAN 3025 Management of Organizations or HSA 4180 Organization & Management for Health Agencies I 3 hrs

Junior Year - Spring
- HIM 4226C Coding Procedures I 5 hrs
- HIM 3116C Health Record Organization and Management 4 hrs
- HIM 3806C Professional Practice Experience I 3 hrs
- HIM 4624 Health Data Management 3 hrs

Senior Year - Fall
- HIM 4344C Health Information Department Management 4 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4256C Coding Procedures II 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs

Senior Year - Spring
- 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

1 The asterisked courses may be taken at any time during the two years. Certain HIIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

Senior Year - Summer
- HIM 4838 Management Affiliation 5 hrs

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Health Sciences - Pre-Clinical Track (B.S.)

Department of Health Professions, Health and Public Affairs I, Room: 123
http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml
Dr. Suha Saleh, pcinfo@ucf.edu, 407-823-0946

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 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.

1 The asterisked courses may be taken at any time during the two years. Certain HIIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.
A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission. Students must achieve at least 2.5 overall GPA for graduation. No transfer course will be accepted with a grade lower than a "C."  

1. UCF General Education Program (GEP) (38 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

   1 Students must earn appropriate score on placement exam prior to enrolling in these classes.

   D: Social Foundations (6 hrs)
   Required PSY 2012 General Psychology 3 hrs

   E: Science Foundations (8 hrs)
   Required BSC 2010C Biology I 4 hrs
   Required PHY 2053C College Physics I 4 hrs

2. Common Program Prerequisites (CPP) (3 hrs)

   MAC 1114C College Trigonometry 3 hrs
   BSC 2010C Biology I GEP
   PSY 2012 General Psychology GEP
   STA 2023 Statistical Methods I GEP

3. Core Requirements: Basic Level (20 hrs)

   1 CHM 2045C Chemistry Fundamentals I 4 hrs
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   DEP 2004C Developmental Psychology 3 hrs
   HUN 2201 Fundamentals of Human Nutrition 3 hrs
   PHY 2053C College Physics I GEP
   PHY 2054C College Physics II 4 hrs

   Select 1: 2 hrs
   2 HSC 2000 Introduction to the Allied Health Professions or Professional Development in Health Professions 3 hrs
   HSC 4008 3 hrs

   1 Students must earn appropriate score on placement exam prior to enrolling in these classes.
   2 For freshman and sophomore students. The upper level HSC 4008 (3hrs) can be used as a substitution as needed during the junior or senior years.

4. Core Requirements: Advanced Level (29 hrs)

   HSC 3147 Introduction to Pharmacology 3 hrs
   HSC 3211 Preventive Health Care 3 hrs
   HSC 4555 Pathophysiology I 3 hrs
   HSC 4652 Health Law and Ethics 3 hrs
   HSC 4558 Pathophysiology II 3 hrs
   HSC 4501 Epidemiology of Chronic Diseases 3 hrs
   PCB 3703C Human Physiology 4 hrs
   ZOO 3733C Human Anatomy 4 hrs

   Select 1 3 hrs
   HSC 4730 Applied Health Research Methodology 3 hrs
   HSA 4702 Health Sciences Research Methods 3 hrs

5. Restricted Electives (30 hrs)

   Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of certain science classes.

   Students must meet restricted elective credit hour requirements and UCF upper division credit hour requirements. These are suggested electives based on disciplines, but it is the student's responsibility to check with graduate programs to meet prerequisites.

   Students are advised to check the Program's website for updated information and suggested electives for specific Health Professions Graduate Programs.

   BCH 4053 Biochemistry I 3 hrs
   CHM 2210 Organic Chemistry I 3 hrs
   BSC 2011C Biology II 4 hrs
   CHM 2211 Organic Chemistry II 3 hrs
   CHM 2211L Organic Laboratory Techniques I 2 hrs
   HSA 3111 U.S. Health Care Systems 3 hrs
   HSC 3110 Medical Self Assessment 3 hrs
   HSC 3537 Medical Terminology 3 hrs
   HSC 3559 Disabilities in American Society 3 hrs
   HSC 3593 HIV Disease: A Human Concern 3 hrs
   HSC 3432 Occupational Safety for the Health Care Professions 3 hrs
   HSC 4008 Professional Development in Health Professions 3 hrs
   HSC 4564 Health Care Needs of the Elderly 3 hrs
   HSC 4572 Clinical Nutrition 3 hrs
   HSC 4730 Applied Health Research Methodology 5 hrs
   MCB 3020C General Microbiology 5 hrs
   MCB 4503C Virology 3 hrs
   PCB 3063 Genetics 3 hrs
   PCB 3063L Genetics Laboratory 1 hr
   PCB 3233 Immunology 3 hrs
   PCB 3233L Immunology Laboratory 1 hr
   PCB 4805 Endocrinology 3 hrs
   ATR 3203C Upper Extremity Function and Measurement 3 hrs
   ATR 3204C Lower Extremity Function and Measurement 3 hrs
   ATR 3312C Injury, Management, and Rehabilitation 3 hrs
   PET 4606 Applied Fitness in Sport 3 hrs
   SYO 4400 Medical Sociology 3 hrs
   ZOO 3744 Neurobiology 3 hrs
   ZOO 4743C Clinical Neuroanatomy and Neuroscience 4 hrs
   ZOO 4753C Vertebrate Histology 4 hrs
   HSC 4553 Concepts in Pathophysiological Diagnosis 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

   ■ None

10. Required Minors

   ■ None

11. Departmental Exit Requirements

   ■ Students must achieve at least 2.5 overall GPA for graduation.

   A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.

   Students must take a minimum of 30 hours of upper-division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences Pre-Clinical Track.

12. University Minimum Exit Requirements

   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
UCF Degree Programs

- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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
- 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.

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 enrolling. 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 requirement of 48 credit hours of upper division (3000-4000) level credits.

Acceptable Substitutes for Transfer Courses
- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 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) credit required by UCF for graduation.

- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall
- BSC 2010C Biology I 4 hrs
- MAC 1105C College Algebra 3 hrs
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- GEP Communication 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP Cultural 3 hrs

Sophomore Year - Fall
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- DEP 2004C Developmental Psychology 3 hrs
- ZOO 3733C Human Anatomy 4 hrs
- GEP Historical 3 hrs

Sophomore Year - Spring
- PHY 2053C College Physics I 4 hrs
- MAC 1114C College Trigonometry 3 hrs
- GEP Historical 3 hrs

Junior Year - Fall
- PHY 2053C College Physics I 4 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 3211 Preventive Healthcare 3 hrs
- HSC 4552 Health Law and Ethics 3 hrs
- GEP Social 3 hrs

Junior Year - Spring
- PHY 2054C College Physics II 4 hrs
- HSC 4558 Pathophysiology II 3 hrs
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- Restricted Elective 3 hrs

Select 1
- HSC 4730 Applied Health Research Methodology 3 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 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.oews.ucf.edu/academiclearningcompacts.html

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2015-2016
Health Services Administration (B.S.)
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hmi/
Email: hsainfo@ucf.edu

Philip Wessel, MHA, Undergraduate Program Director
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://online.ucf.edu/learn-online/. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see http://distrib.ucf.edu/home. 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 Services Administration as those programs require a GPA of at least 3.0 for admission.

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 42 credit hours of the core requirements at UCF in the department of Health Management and Informatics.
Students must achieve at least 2.5 overall GPA for graduation.
Satisfactory completion of HSA 4850 Internship

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 CGS 1060C Introduction to Computers or 3 hrs
   Required CGS 2100C Computer Fundamentals for Business 3 hrs

   D: Social Foundations (6 hrs)
   Required ECO 2023 Principles of Microeconomics 3 hrs

   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)

   Students must earn a “C” (2.0) or better in each Common Program Prerequisite
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   ECO 2023 Principles of Microeconomics GEP
   ACG 2071 Principles of Managerial Accounting 3 hrs
   ACG 2021 Principles of Financial Accounting 3 hrs
   STA 2023 Statistical Methods I 3 hrs

   Select 1:
   CGS 2100C Computer Fundamentals for Business or 3 hrs
   CGS 1060C Introduction to Computers GEP

3. Core Requirements: Basic Level
None
UCF Degree Programs

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 is 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

ENC 1101  Composition I  3 hrs
1 HSC 2000  Introduction to the Allied Health Professions  2 hrs
MAC 1105C  College Algebra  3 hrs
Free Elective  3 hrs
GEP Social  3 hrs
1 Suggested Introductory Elective

Freshman Year - Spring

ENC 1102  Composition II  3 hrs
GEP Communication  3 hrs
GEP Science  3 hrs
GEP Cultural  3 hrs

Sophomore Year - Fall

ECO 2023  Principles of Microeconomics  3 hrs
GEP Science  3 hrs
CGB 2100C  Computer Fundamentals for Business  3 hrs
ACG 2021  Principles of Financial Accounting  3 hrs
GEP Historical  3 hrs

Sophomore Year - Spring

ACG 2071  Principles of Managerial Accounting  3 hrs
STA 2023  Statistical Methods I  3 hrs
Free Elective  3 hrs
GEP Historical  3 hrs

Sophomore Year - Summer

Select 1:
   ■ Free Elective  3 hrs
   ■ 1 Foreign Language  4 hrs

Select 1:
   ■ Free Elective  3 hrs
   ■ 1 Foreign Language  4 hrs

1 If not satisfied in high school

Junior Year - Fall

HSA 3104  Health Services Administration Cornerstone  3 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

1 Must be taken in First Semester in the Major

Junior Year - Spring

HSA 3170  Health Care Finance  3 hrs
HSC 4500  Epidemiology  3 hrs
HSA 4180  Organization & Management for Health Agencies I  3 hrs
HIM 4508C  Quality Management  3 hrs
HSA 4702  Health Sciences Research Methods  3 hrs
Free Elective  3 hrs
GPA 4552  Internship Orientation  0 hrs

Senior Year - Fall

HSA 4109  Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans  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

Senior Year - Spring

HSA 4191  Fundamentals of Health Information Agencies I  3 hrs
HSA 4790  Health Economics  3 hrs
HSC 4201  Community Health  3 hrs
HSA 4600  Health Information Management  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/ academiclearningcompacts.html

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)
   - Required AMH 2010 U.S. History: 1492-1877 3 hrs
   - Select one course from B.1 list 3 hrs
   - Select one course from B.2 list 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Required AMH 2010 U.S. History: 1492-1877 3 hrs
   - Select one course from B.1 list 3 hrs
   - Select one course from B.2 list 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Suggested MGF 1106 Finite Mathematics or 3 hrs
   - Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

   **Math:**
   - Select from GEP C.2 list 3 hrs

   **Statistics - Computers:**
   - Select a course from GEP C.2 list 3 hrs

   **D: Social Foundations** (6 hrs)
   - Required AMH 2010 U.S. History: 1877-Present 3 hrs
   - Select one course from D.2 list 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.
   - AMH 2010 U.S. History: 1492-1877 GEP
   - AMH 2020 U.S. History: 1877-Present GEP

3. **Core Requirements: Basic Level** (6 hrs)
   - Complete two courses from EUH 2000, EUH 2001, WOH 2012 and/or WOH 2022. Upper level AFH, ASH, EUH, LAH and WOH courses can be substituted for these requirements.
   - EUH 2000 Western Civilization I 3 hrs
   - EUH 2001 Western Civilization II 3 hrs
   - WOH 2012 World Civilization I 3 hrs
   - WOH 2022 World Civilization II 3 hrs

4. **Core Requirements: Advanced Level** (3 hrs)
   - HIS 4150 History and Historians 3 hrs

5. **Restricted Electives** (21 hrs)
   - (Must be taken within the History Department)
   - Select six hours of approved history courses within three of 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**
   - HIS 4959 History Portfolio 0 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 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 (HIS 4959) 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
- American Studies
- Asian Studies
- Florida Studies
- Humanities
- Judaic Studies
- Middle Eastern Studies
- Latin American Area Studies
- Women's 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
UCF Degree Programs

Sophomore Year - Spring 16 hrs
SN 1121C Elementary Spanish Language and Civilization II 4 hrs

Core Courses 3 hrs
Required
Restricted Elective
Restricted Elective
Restricted Elective

Junior Year - Fall 15 hrs
HIS 4150 History and Historians 3 hrs
Required
Restricted Elective
Restricted Elective
Restricted Elective

Junior Year - Spring 15 hrs
Restricted Elective
Required
Restricted Elective
Restricted Elective
Restricted Elective

Senior Year - Fall 15 hrs
Required
Restricted Elective
Restricted Elective
Restricted Elective

Senior Year - Spring 13 hrs
Restricted Elective
Required
Restricted Elective
Restricted Elective

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

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. Kevin Murphy, Department Chair, Kevin.Murphy@ucf.edu, 407-903-8177
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Required
MAC 1105C College Algebra 3 hrs
Select 1: 3 hrs
Required
CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I 3 hrs
Required
STA 2023 Statistical Methods I 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (34 hrs)
Hospitality Services Core 34 hrs

5. Restricted Electives (15 hrs)

3. Core Requirements: Basic Level (34 hrs)
Hospitality Management Core 34 hrs

4. Core Requirements: Advanced Level (21 hrs)
Sectoral Core 15 hrs

5. Restricted Electives (15 hrs)

Internships 3 hrs
Required
ECON 2013 Principles of Macroeconomics or ECON 2023 Principles of Microeconomics

Select 1:
- Select 1:
- STA 2023 Statistical Methods I

Select 5:
- Select 5:

Required
Required
Required
Required
Required
Required
Required
Required
Required
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Required
Required
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Required
Required
Required
Required
Required
Required
Required
Required

5. Restricted Electives (15 hrs)
- Students should select from the following courses to fulfill their hospitality management restricted elective requirement or select one of the Specialized Tracks.

Restricted Electives 15 hrs
- Students must take 15 credit hours (five courses) from the following:

Internships 3 hrs
HFT 3940 Internship I 1 hr
HFT 4941 Internship II 1 hr
HFT 4944 Internship III 1 hr

FSS 4286C Catering and Banquet Organization 3 hrs
HFT 3354 For Golf Course Management 3 hrs
HFT 3355 Golf Planning & Operations II 3 hrs
HFT 3357 Golf & Club Event Operations 3 hrs
HFT 3358 Golf and Club Enterprises Management 3 hrs
HFT 3654 Hospitality Franchising 3 hrs
HFT 3741 Meeting Management 3 hrs
HFT 3770 Cruise Line Operations and Management 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 3868 History and Culture of Wine 3 hrs
HFT 4065 Fine Spirits Management 3 hrs
11. Departmental Exit Requirements

10. Required Minors

9. Additional Requirements

8. Electives

7. Foreign Language Requirements

6. Capstone Requirements

5. Admissions

4. Graduation

3. Electives

2. Related Programs and Certificates

1. Related Minors

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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

- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

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

Select 1:
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult/Hist. Foundations I 3 hrs

Select 1:
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring

Select 1:
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult/Hist. Foundations II 3 hrs

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

Select 1:
- HFT 2750 The Event Industry or 3 hrs
- HFT 2254 Lodging Operations 3 hrs

Sophomore Year - Fall

Select 1:
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- Science Foundations I 3 hrs
- Free Elective 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
UCF Degree Programs

Sophomore Year - Spring 16 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- Science Foundations II 3 hrs
- Cult/Hist. Foundations III 3 hrs
- Free Elective 3 hrs
- FSS 2221C Techniques of Food Preparation 4 hrs

Junior Year - Spring 16 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
- HFT 3940 Internship I 1 hr
- Sectorial Studies 6 hrs

Senior Year - Fall 16 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4944 Internship III 1 hr
- Hospitality Restricted Electives 6 hrs

Junior Year - Fall 16 hrs
- HFT 2341 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- HFT 4941 Internship II 1 hr
- Sectorial Studies 6 hrs
- Hospitality Restricted Elective 3 hrs

Senior Year - Fall 16 hrs
- HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
- Hospitality Restricted Electives 6 hrs
- Free Electives 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/academiclearningcompacts.html

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, jami.katt@ucf.edu
Nicholson 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 internship, co-op, and independent study credits combined.
- Students must consult with a school advisor
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   Select 1: (3 hrs)
   - Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
   - Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Statue: STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - Required STA 2014C Principles of Statistics 3 hrs
   - Suggested MGF 1108 Finite Mathematics or 3 hrs
   - Suggested MGF 1107 Explorations in Mathematics or 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Math: STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - Suggested MGF 1108 Finite Mathematics or 3 hrs
   - Suggested MGF 1107 Explorations in Mathematics or 3 hrs

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

2. Common Program Prerequisites (CPP) (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 1608 Fundamentals of Oral Communication or GEP
   - SPC 1603C Fundamentals of Technical Presentations

   Statistics:
   - STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - STA 2014C Principles of Statistics

   Computer Science:
   - CGS 1060C 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 or 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
   Select 1: (9 hrs)
   - COM 3011C Communication and Human Relations or 3 hrs
   - COM 3003 Exploring Human Communication 3 hrs

   Take all of the following: (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 (21 hrs)
   Internal Restricted Electives: (27 hrs)
   - Select from the following list:
     - COM 3013 Communication and the Family 3 hrs
     - COM 3032 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 Persuasion and Communication 3 hrs

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Advising Notes

Related Minors

Certificates

Related Programs

Honors In Major

Total Semester Hours Required

Transfer Notes

Plan of Study

Acceptable Substitutes for Transfer Courses

External Restricted Electives

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>COM 4941</td>
<td>Internship or</td>
<td>3</td>
</tr>
<tr>
<td>COM 4906</td>
<td>Directed Independent Study or</td>
<td>3</td>
</tr>
<tr>
<td>SPC X949</td>
<td>Coop or</td>
<td>3</td>
</tr>
<tr>
<td>COM X949</td>
<td>Coop</td>
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Select 1: 3 hrs

<table>
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<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 3315</td>
<td>Argumentative Writing or</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3311</td>
<td>Essay as Cultural Commentary or</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3250</td>
<td>Professional Writing or</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3314</td>
<td>Writing in the University or</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional or</td>
<td>3</td>
</tr>
<tr>
<td>Other upper division COM or SPC courses with prior approval of department advisor.</td>
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</tbody>
</table>

A maximum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Human Communication area (i.e. Advertising - Public Relations, Journalism, or Radio - Television).

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

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

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

8. Electives

- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a "C" (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.

- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

13. Total Semester Hours Required

- 120

Honors In Major

- None

14. Related Programs

- None

15. Certificates

- None

16. Related Minors

- Human Communication

- Mass Communication

17. Advising Notes

- 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/math/

**Freshman Year - Fall**

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<tr>
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<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>ENC 1101</td>
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**Freshman Year - Spring**

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<td>ENC 1102</td>
<td>Composition II</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
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**Sophomore Year - Fall**

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<tbody>
<tr>
<td>COM 3111</td>
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<tr>
<td>Select 1:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COM 3011C</td>
<td>Communication and Human Relations or</td>
<td>3</td>
</tr>
<tr>
<td>COM 3003</td>
<td>Exploring Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
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<td>3</td>
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</table>

**Sophomore Year - Spring**

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 3301</td>
<td>Interpersonal Communication</td>
<td>3</td>
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<td>COM 3120</td>
<td>Organizational Communication</td>
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<tr>
<td>Elective (Consider a minor)</td>
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**Junior Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Restricted Elective</td>
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<tr>
<td>Elective (Consider a minor)</td>
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**Junior Year - Spring**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
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</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td></td>
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</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
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</tbody>
</table>

**Senior Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
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<td>3</td>
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<tr>
<td>Elective (Consider a minor)</td>
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<td>Elective (Consider a minor)</td>
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<tr>
<td>Elective (Consider a minor)</td>
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</table>

**Senior Year - Spring**

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<tr>
<th>Course Code</th>
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<th>Hours</th>
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<tbody>
<tr>
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<td>Elective (Consider a minor)</td>
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</table>

**Program Academic Learning Compacts**

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html
UCF Degree Programs

Humanities and Cultural Studies (B.A.)

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Claudia Schippert, Claudia.Schippert@ucf.edu, 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required: HUM 2210 Humanistic Tradition I 3 hrs
   Required: HUM 2230 Humanistic Tradition II 3 hrs
   Select 1: 3 hrs
   Suggested: REL 2300 World Religions or 3 hrs
   Suggested: PHI 2010 Introduction to Philosophy 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   Required: HUM 2210 Humanistic Tradition I 3 hrs
   Required: HUM 2230 Humanistic Tradition II 3 hrs

   Select 1: 3 hrs
   Suggested: REL 2300 World Religions or 3 hrs
   Suggested: PHI 2010 Introduction to Philosophy 3 hrs

   C: Mathematical Foundations (6 hrs)
   Required: MGF 1106 Finite Mathematics or 3 hrs
   Required: MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

   Statistics-Computers
   Select a course from GEP C.2 list 3 hrs

   D: Social Foundations (6 hrs)

   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
   Select 1
   PHI 2010 Introduction to Philosophy or 3 hrs
   REL 2300 World Religions

4. Core Requirements: Advanced Level (33 hrs)

   Core Requirements
   HUM 2020 Encountering the Humanities 3 hrs

   Humanities Foundations
   HUM 3431 Ancient Humanities or 3 hrs
   HUM 3435 Medieval Humanities or 3 hrs
   HUM 3255 Modern Humanities or 3 hrs
   HUM 3252 Contemporary Humanities 3 hrs

   Theories and Methods
   HUM 3805 Critical Theory in the Humanities or 3 hrs
   HUM 3830 Introduction to Digital Humanities or 3 hrs
   HUM 3328 Theories of Sex and Gender in Humanities or 3 hrs
   HUM 4330 Performance Theory or 3 hrs
   HUM 4823 Queer Theory in the Humanities or 3 hrs
   HUM 4826 Postcolonial Theory 3 hrs

   Cultural Traditions
   6 hrs
   HUM 3401 Asian Humanities or 3 hrs
   HUM 3423 African Humanities or 3 hrs
   HUM 3460 Latin American Humanities or 3 hrs
   HUM 4459 American Cultural Studies in Humanities 3 hrs

   Topics in Cultural Studies
   6 hrs
   HUM 4931 Key Figures in the Humanities & Cultural Studies or 3 hrs
   HUM 4934 Key Concepts in Humanities & Cultural Studies

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. Exam may be part of HUM 4933: Humanities Senior Research Seminar
      - Earn a “C” (2.0) or better in each required course.
      - To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
      - Computer Competency met by one of the following:
        HUM 4970H Undergraduate Honors Thesis 3 hrs
        HUM 4933 Senior Research Seminar 3 hrs
        STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

   12. University Minimum Exit Requirements
      - A 2.0 UCF GPA
      - 60 semester hours earned after CLEP awarded
      - 48 semester hours of upper division credit completed
      - 30 of the last 39 hours of course work must be completed in residency at UCF.
      - A 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, Humanities and Cultural Studies, and Capstone
- Same requirements as for regular majors

b. Honors Thesis
   6 hrs
   HUM 4903H Honors Directed Reading I 3 hrs
   HUM 4970H Undergraduate Honors Thesis 3 hrs

   c. Additional Requirements of Honors in the Major
      - Application and admission through the Humanities Honors Coordinator
      - Fulfill University requirements for Honors in the Major
      - Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
Students in the Industrial Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Industrial Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better in the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Industrial Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Industrial Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
   - The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida 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
   - Prefer 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 Scientists I 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 Group 2 3 hrs

E: Science Foundations (7 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Select one class from Science Foundations Group 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.
UCF Degree Programs

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

1 MAC 2311C Calculus with Analytic Geometry I GEP
1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
1 MAP 2302 Ordinary Differential Equations I 3 hrs
1 PHY 2048C Physics for Engineers & Scientists I GEP
1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1: 4 hrs
2 CHS 1440 Principles of Chemistry or 4 hrs
1 CHM 2045C Chemistry Fundamentals I 4 hrs

1 A 2.0 cumulative GPA or better is required for this course.
2 Preferred

3. Core Requirements: Basic Level  (2 hrs)

Engineering Core: Basic

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level  (59 hrs)

Courses Required for the Major  59 hrs

The Industrial Engineering and Management Systems department requires all students within the major to achieve a "C" (2.0) GPA or better in all courses in this section with a prefix of EIN, EGS, ESI, STA and MAS.

EGS 4624 Engineering Innovation and Leadership 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
EIN 3314 Work Analysis and Design 3 hrs
ESI 4628 Decision Support Systems for Industrial Engineers 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  (6 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  (4 hrs)

EIN 4891C Industrial Engineering Senior Design 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

Transfer Notes

Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to area 5. Restricted Electives.

Acceptable Substitutes for Transfer Courses

None

Plan of Study  (128 hrs)

Tentative Course Schedule for Entering Freshmen:
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall  12 hrs
ENC 1101 Composition I 3 hrs
EGS 1006C Introduction to the Engineering Profession 1 hr
MAC 2311C Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring  12 hrs
ENC 1102 Composition II 3 hrs
EGN 1007C Engineering Concepts and Methods 1 hr
MAC 2312 Calculus with Analytic Geometry II 4 hrs

Freshman Year - Summer  9 hrs
COP 3223C Introduction to Programming with C 3 hrs

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

Select 1 3 hrs
SPC 1603C Fundamentals of Technical Presentations or 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
### Sophomore Year - Fall
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr
- GEP 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs

### Sophomore Year - Spring
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs

### Sophomore Year - Summer
- GEP 6 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

### Junior Year - Fall
- EIN 3314 Work Analysis and Design 3 hrs
- ESI 4312 Operations Research 3 hrs
- ESI 4628 Decision Support Systems for Industrial Engineers 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs

### Junior Year - Spring
- ESI 4523 Systems Simulation 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4384 Facilities Planning 3 hrs
- EIN 4243C Human Engineering 3 hrs

### Junior Year - Summer
- GEP 3 hrs
- EGN 3343 Thermodynamics 3 hrs

### Senior Year - Fall
- Approved Technical Elective 3 hrs
- EIN 4391 Manufacturing Engineering 3 hrs
- ESI 4234 Quality Engineering 3 hrs
- EIN 4221 Empirical Methods for Industrial Engineering 3 hrs

### Senior Year - Spring
- EIN 4691C Industrial Engineering Senior Design 4 hrs
- Approved Technical Elective 3 hrs
- EGS 4624 Engineering Innovation and Leadership 3 hrs
- EIN 4517 Systems Engineering 3 hrs

## Program Academic Learning Compacts
- Required 24 Residency hours at UCF

## Information Technology (B.S.)
### College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu/
Email: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
Jenny Shen
Julie Faris
Phone: 407-823-2341

## Degree Requirements
- None
- "C" (2.0) or better required in all prerequisites and courses required for the major.
- Students should consult with a departmental advisor.

## Equipment Fees
- Part-Time Student: $38 per term
- Full-Time Student: $77 per term

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

## UCF Degree Programs

- 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.
- Students in the Information Technology major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Information Technology who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Information Technology major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Information Technology who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Information Technology who has accumulated 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Information Technology major will be subject to all probation conditions that applied at the time of exclusion.

### 1. UCF General Education Program (GEP) (37 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
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<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
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</tbody>
</table>

Select 1:
- Prefer SPC 1603C Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication 3 hrs

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Required STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
- Suggested MAC 1105C College Algebra or Suggested MAC 1140C Pre-Calculus Algebra 3 hrs

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Required ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required PHY 2053C College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Select one class from Science Foundations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
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 1114C College Trigonometry 3 hrs
- ECO 2013 Principles of Macroeconomics GEP
- PSY 2012 General Psychology GEP
- PHY 2053C College Physics I GEP
- COP 3323C Introduction to Programming with C 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- CGS 2545C Database Concepts 3 hrs
- STA 2023 Statistical Methods I GEP

Select 1:
- 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 3502C Computer Science I 3 hrs
- CIS 3360 Security in Computing 3 hrs
- CAP 4104 Human and Technology Interaction 3 hrs
- CGS 3269 Computer Architecture Concepts 3 hrs
- CNT 3004 Computer Network Concepts 3 hrs
- CIS 3003 Fundamentals of Information Technology 3 hrs
- CIS 4524 Managing IT Integration 3 hrs
- CNT 4714 Enterprise Computing 3 hrs
- CIS 4004 Web-Based Information Technology 3 hrs
- CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs
- COP 4910 Frontiers in Information Technology 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology 3 hrs
- CGS 3763 Operating System Concepts 3 hrs
- CNT 4603 System Administration and Maintenance 3 hrs
- PHY 2054C College Physics II 4 hrs

Support Courses (6 hrs)
- A "C" (2.0) or better is required in all these courses.

Select 1:
- 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 or 3 hrs
- ENC 4298 Technical Communication for the Virtual Workplace or 3 hrs
- ENC 4416 Writing in Digital Environments or 3 hrs
- ENC 4262 International Technical Communication or 3 hrs
- ENC 4215 Technical Publication and Project Management 3 hrs

Select 2:
- ENC 3241 Writing for the Technical Professional 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. CGS 4941 can be used as a restricted elective.
- 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
- An “S” grade is required in all these courses.

Major specific support courses (1 hr)
- CIS 3990 IT Career and Academic Advising I 0 hrs
- CIS 4991 IT Career and Academic Advising II 0 hrs
- CIS 3921 Careers in IT 1 hr

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Computer Engineering
- Computer Science

Certificates
- None

Related Minors
- Computer Science
- 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.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 12 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- COP 3323C Introduction to Programming with C 3 hrs

Select 1:
- MAC 1105C College Algebra or 3 hrs
- MAC 1140C Pre-Calculus Algebra 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1114C 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 16 hrs
- MAD 2104 Foundations of Discrete Math 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- PHY 2053C College Physics I 4 hrs
- CGS 2545C Database Concepts 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 16 hrs
- CGS 3269 Computer Architecture Concepts 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- CIS 3003 Fundamentals of Information Technology 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- CIS 3921 Careers in IT 1 hr
- CIS 3990 IT Career and Academic Advising I 0 hrs

UNIVERSITY OF CENTRAL FLORIDA
The Integrated Business (IB) degree is intended to develop a strong business "generalist" who has the ability and capacity to enter the workforce with a broad understanding of business and strong financial, analytic and communication skills. As such, they will be an attractive candidate for entry-level roles in project management, operational management, and sales management. Not eligible for a double degree or double major 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, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Integrated Business must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours 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 in the Integrated Business major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/ or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Integrated Business major and/or College of Business. A student who is dismissed may seek consideration for re-admission into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students majoring in Integrated 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)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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 |

### 3. Electives (15 hrs)

- Choose 4 electives totaling 15 credits.

### 4. Senior Year - Fall (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNT 4003 Design and Implementation of Computer Communication Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 4004 Web-Based Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4603 System Administration and Maintenance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 4991 IT Career and Academic Advising</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4714 Frontiers in Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CNT 4910 Enterprise Computing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees

- Part-Time Student: $23 per term
- Full-Time Student: $47 per term
3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (52 hrs)

Primary Core
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

Secondary Core
- GEB 3003 Career Research & Planning 1 hr
- GEB 3005 Career Search Strategy 1 hr
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4004 Executing Your Career Plan 1 hr

Required Courses for Major
- GEB 4522 Data Driven Decision Making 3 hrs
- ISM 4041 Applied Business Technologies 3 hrs
- MAN 3302 Essentials of Human Resource Management for Integrated Business 3 hrs
- GEB 3031 Integrated Business Foundations 3 hrs
- MAR 3407 Contemporary Selling 3 hrs
- ENT 4412 Managing Small Business Finances 3 hrs
- ECP 4703 Managerial Economics 3 hrs
- MAN 4583 Project Management 3 hrs

Restricted Electives
- Take one class from the list below.
  - FIN 2100 Personal Finance and Investments 3 hrs
  - SPB 3003 Introduction to Sport Business Management 3 hrs
  - REE 3043 Fundamentals of Real Estate 3 hrs
  - ECO 3223 Money and Banking 3 hrs
  - MAR 4940 Fundamentals of Services Marketing 3 hrs
  - GEB 4941 Internship 3 hrs

Capstone Requirements
- An approved Intent to Graduate must be on file in order to register for MAN 4720
- MAN 4720 Strategic Management 3 hrs

Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation
  - None
- Electives
  - Variable
- Additional Requirements
  - None
- Required Minors
  - None
- Departmental Exit Requirements
  - A minimum major GPA and a minimum College of Business GPA of 2.0.

University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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.
- 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 waivered 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 prerequisite class.
- Any student receiving a business degree must complete a minimum of 30 of the 58 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
- General electives as required to earn 120 credit hours.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Microeconomics 3 hrs
- Cultural Foundation I 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Historical Foundation I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Historical Foundation II 3 hrs
- Science 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs

Junior Year - Fall
- GEB 3003 Career Research & Planning 1 hr
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- FIN 3403 Business Finance 3 hrs

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Gordon Rule, etc.), some of which are not available via online graduation requirements (general education, foreign language, all courses online. Students must complete all University-wide Studies Advising Team. Students may not be able to complete Advisement is required from a member of the Interdisciplinary Studies Advising Team for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Interdisciplinary Studies (B.A. / B.S.)
College 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.

UCF Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
<td>3hrs</td>
</tr>
<tr>
<td>ACG 3173</td>
<td>Accounting for Decision-Makers</td>
<td>3hrs</td>
</tr>
</tbody>
</table>

Junior Year - Spring
13 hrs
- GEB 3005 Career Search Strategy 1 hr
- MAN 3302 Essentials of Human Resource Management 3 hrs
- ISM 4041 Applied Business Technologies 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3031 Integrated Business Foundations 3 hrs

Senior Year - Fall
16 hrs
- GEB 3375 Introduction to International Business 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- MAR 3203 Supply Chain and Operations Management 3 hrs
- MAR 3407 Contemporary Selling 3 hrs
- GEB 4522 Data Driven Decision Making 3 hrs
- ENT 4412 Managing Small Business Finances 3 hrs

Senior Year - Spring
13 hrs
- ECP 4703 Managerial Economics 3 hrs
- MAN 4720 Strategic Management 3 hrs
- GEB 4004 Executing Your Career Plan 1 hr
- MAN 4583 Project Management 3 hrs
- IB 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/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Interdisciplinary Studies (B.A. / B.S.)
College 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)
   - Communication Foundations (9 hrs)
   - Cultural & Historical Foundations (9 hrs)
   - Mathematical Foundations (6 hrs)
   - Social Foundations (6 hrs)
   - Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level (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 16 upper division hours, in the two areas combined.
   - See the Interdisciplinary Studies Advising Team for details regarding each area:
     - Arts
     - Behavioral and Social Sciences
     - Commerce
     - Communication
     - Computational Sciences
     - Education
     - Engineering
     - Health
     - Humanities
     - Letters and Modern Languages
     - Physical Sciences
     - Life/Biomedical Sciences
     - Public Affairs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - BA: Met by graduation requirement.
     - BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   - Note: Students entering without having met the admission requirements must do so in order to graduate.
   - Graduation
     - BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
     - BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses, with an Interdisciplinary Studies adviser's approval.

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UCF Degree Programs

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 elective.
- 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/academiclearningcompacts.html

Interdisciplinary Studies - Environmental Studies Track (B.S.)

College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom 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.
- Co-op credit cannot be used in the major.
- Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas.
- Students must consult with an Interdisciplinary Studies adviser when entering the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

1 Required MAC 1105C College Algebra 3 hrs

Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Required SYG 2000 Introduction to Sociology 3 hrs

Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I 4 hrs

Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (11 hrs)

3. Core Requirements: Basic Level (11 hrs)

Core for Environmental Studies:

Physical/Mathematical Sciences

CHM 2045C Chemistry Fundamentals I GEP

MAC 1105C College Algebra GEP

PSC 1121 Physical Science 3 hrs

STA 2023 Statistical Methods I GEP

Life Sciences

BSC 2010C Biology I GEP

BSC 2011C Biology II 4 hrs

PCB 3044 Principles of Ecology 3 hrs

PCB 3044L Principles of Ecology Laboratory 1 hr

Social Science & Humanities

SYG 2000 Introduction to Sociology GEP

ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (19 hrs)

Environmental Studies Fundamentals

IDS 3150 Foundations of Environmental Studies 3 hrs

ECP 3302 Economics and the Environment 3 hrs

GIS 3043C GIS for Environmental Studies 3 hrs

GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs

PUP 3203 Environmental Politics 3 hrs

SYD 4510 Environment and Society 3 hrs

5. Restricted Electives (18 hrs)

- Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.
- Select eighteen hours in one concentration.
Science Concentration

Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

BCH 4053  Biochemistry I  3 hrs
BCH 4054  Biochemistry II  3 hrs
BOT 3152C  Local Flora  3 hrs
BOT 3802  Ethnobotany  3 hrs
BOT 4303C  Plant Kingdom  5 hrs
BOT 4713C  Plant Taxonomy  5 hrs
BSC 4312C  Advanced Marine Biology  4 hrs
CHM 3120  Analytical Chemistry  3 hrs
CIE 3008  Oceanography  3 hrs
PCS 3442  Aquatic Ecosystems  3 hrs
PCS 4683  Evolutionary Biology  4 hrs
PCS 4723  Animal Physiology  4 hrs
PCB 5045  Conservation Biology  4 hrs
PCB 5326C  Ecosystems of Florida  5 hrs

Values, Planning, & Policy Concentration

Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

ANT 3541  Biobehavioral Anthropology  3 hrs
BOT 3802  Ethnobotany  3 hrs
ECP 4303  Environmental and Natural Resource Economics  3 hrs
ENC 3211  Theory and Practice of Technical Writing  3 hrs
ENC 3241  Writing for the Technical Professional  3 hrs
ENC 4360  Nature Writing  3 hrs
INR 4351  International Environmental Law  3 hrs
PAD 3330  Urban and Regional Planning  3 hrs
PAD 4351  Issues in Environmental Program Management  3 hrs

Management

PHI 3033  Philosophy, Religion, and the Environment  3 hrs
PHI 3640  Environmental Ethics  3 hrs
PHI 4400  Philosophy of Science  3 hrs
PHI 4633  Ethics and Biological Science  3 hrs
PHM 4031  Environmental Philosophy  3 hrs
PLA 4554  Environmental Law  3 hrs
PUP 3204  Sustainability  3 hrs
PUP 4209  Urban Environmental Policy  3 hrs

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation

Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

Select primarily from upper level courses, with adviser approval

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

A grade of "C" or above (2.0) is required for each course taken in the subject areas and core

Computer Competency is met by completing this major

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors In Major

None

Related Programs

Biology
Chemistry
Environmental Engineering
Political Science
Economics

Certificates

None

Related Minors

All 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 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/academiclearningcompacts.html

Interdisciplinary Studies - Women's Studies Track (B.A.)

College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom 1, Room: 302
Program in Women's Studies, Colbourn Hall, Room: 411
http://www.is.ucf.edu
Email: is@ucf.edu
Email: womenst@ucf.edu

Interdisciplinary Studies Advising Team, 407-823-0144
Dr. M.C. Santana, 407-823-2260
Phone: 407-823-0144

Interdisciplinary Studies - Women's Studies track is a broadly based interdisciplinary curriculum that leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women's Studies Program in the College of Arts and Humanities.

Admission Requirements

None

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Students must have declared an Interdisciplinary Studies major - Women's Studies track at least one semester before graduation.

Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.

Co-op credit cannot be used in this track.

Students must earn at least a "C" (2.0) in each restricted elective course.

Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
### UCF Degree Programs

- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. **UCF General Education Program (GEP) (36 hrs)**
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

2. **Common Program Prerequisites (CPP)**
   - None

3. **Core Requirements: Basic Level**
   - None

4. **Core Requirements: Advanced Level**
   - None

5. **Restricted Electives (36 hrs)**
   - Students must complete either the Womanist/Women of Color subject area or the Women’s Studies Cognate subject area to satisfy the First Study Area.
   - Students must complete one subject area from those specified in the Second Study Area below.
   - Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
   - Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined.

### First Study Area - Womanist/Women of Color (18 hrs)
- Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area.

#### Select 5:
- 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)
- Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area.

#### Select 6:
- 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.

### 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

10. **Required Minors**
    - Women’s Studies

11. **Departmental Exit Requirements**
    - A grade of “C” or above (2.0) is required for each course taken in each of the subject areas.
    - Computer Competency is met by departmental assessment, or the following courses:
      - CGS 1060C: Introduction to 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.

13. **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.oeas.ucf.edu/academiclearningcompacts.html

International and Global Studies (B.A.)

College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Email: politics@ucf.edu
Dr. Paul Vasquez
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.
- Most 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)
- Required ENC 1101 Composition I 3 hrs
- Preferred ENC 1102 Composition II 3 hrs
- Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Preferred WOH 2022 World Civilization II 3 hrs
- Required One course from GEP B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Math: 3 hrs
- Preferred MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics or May substitute a higher level math with appropriate scores on the Math Placement Exam. 3 hrs

Statistics: 3 hrs
- Preferred STA 2014C Principles of Statistics or STA 1063C Basic Statistics Using Microsoft Excel or May substitute a more advanced STA course. 3 hrs

D: Social Foundations (6 hrs)
- Preferred 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
- INR 4008 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 departmental 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
  - INR 4101 Politics of the European Union 3 hrs
  - INR 4123 Government and Politics of Great Britain 3 hrs
  - INR 4303 Comparative Latin American Politics 3 hrs
  - INR 4514 Politics of East Asia 3 hrs
  - INR 4553 Politics of Japan 3 hrs
  - INR 4643 Government and Politics of Russia 3 hrs
  - INR 4710 Women in Comparative Politics 3 hrs
  - INR 5250 Politics of Pan-Africanism 3 hrs
  - INR 5233 International Politics of Africa 3 hrs
  - INR 4224 Contemporary International Politics of Asia 3 hrs
  - INR 4243 International Politics of Latin America 3 hrs

Functional 9 hrs
- Select from the following listing:
  - CPO 3057 Contemporary Revolution and Political Violence 3 hrs
  - CPO 4062 Comparative Judicial Process 3 hrs
  - CPO 4074 Political Economy 3 hrs
  - CPO 4754 Comparative Political Institutions 3 hrs
  - INR 3016 Global Political Issues 3 hrs
  - INR 4011 Politics of Globalization 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 3 hrs

6. Capstone Requirements
- None
UCF Degree Programs

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
- 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, Russian or Modern Language Combination.
- Note: The International Business Minor is only available to Business majors.
- Other minors may be substituted with the program coordinator’s approval.
- Aerospace Studies
- Anthropology in Multicultural Studies
- Asian Studies
- Diplomacy
- Diversity and Social Inequality
- Economics
- Economic Policy
- European Studies
- French
- Global Peace and Security Studies
- Human Communication
- International Business
- Italian
- Latin American Area Studies
- Middle Eastern Studies
- Military Science
- Russian Studies
- Spanish
- Terrorism Studies
- World Comparative Studies

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major.
- Complete the Educational Testing Service Field Exam in Political Science during the student’s 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
- 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 in Multicultural Studies
- Diversity and Social Inequality
- Economics
- European Studies
- Global Peace and Security Studies
- History
- Philosophy
- Psychology
- Sociology
- Terrorism 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 (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/math/

Freshman Year - Fall 16 hrs
- 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 16 hrs
- 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 15 hrs
- 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 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 15 hrs
- CPO 3103  Comparative Politics 3 hrs
- INR 4008  Global Perspectives 3 hrs
- INR 4603  International Relations Theory 3 hrs
- Foreign Language 3 hrs
- GEP 3 hrs

UNIVERSITY OF CENTRAL FLORIDA 240 Undergraduate Catalog 2015-2016
### UCF Degree Programs

#### College of Sciences

**Nicholson School of Communication, NSC, Room: 143**

**http://communication.cos.ucf.edu**

**Email:** journalism@ucf.edu

Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu

**Phone:** 407-823-2681

#### Admission Requirements

- The Journalism program is a limited access program that requires a separate application.
- Students should apply to become Journalism majors only after completing all requirements for admission.
- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.5 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission because students are admitted on a space available basis.
- See a NSC advisor for additional admission criteria.
- Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF’s Testing Center unless they have AP or IB credit in English or an "A"- or better in both of the following courses:
  - ENC 1101 Composition I 3 hrs
  - ENC 1102 Composition II 3 hrs

#### Application Deadlines:

- October 1 to be admitted the next spring term
- February 1 to be admitted the next summer term
- June 1 to be admitted the next fall term

#### Degree Requirements

- Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
- The Journalism faculty strongly recommend that majors work for a student news outlet.
- Journalism majors may obtain an off-campus internship with a news organization.

- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of three hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.
- Of the 120 hours required for graduation, 79 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 79 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 79 hour rule, no more than 41 (or 44 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Journalism majors must select their required minor from outside the Nicholson School of Communication to remain below the 41 credit hour school maximum.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition: Complete both courses.</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Required ENC 1101 Composition I and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Required ENC 1102 Composition II 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1: Select a course from group 1.</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer AMH 2010 U.S. History: 1492-1877 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics-Computers:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested CGS 1060C Introduction to Computers or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Suggested STA 2014C Principles of Statistics 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Math:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1106 Finite Mathematics or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Suggested MGF 1107 Explorations in Mathematics or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>You may substitute a higher level math with appropriate scores on the Math Placement Exam.</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer FOS 2041 American National Government 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>
2. Common Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Complete one of the following:
- SPC 1608 Fundamentals of Oral Communication or GEP/CPP
- SPC 1603C Fundamentals of Technical Presentations GEP/CPP

3. Core Requirements: Basic Level (19 hrs)
   - Core: Required, satisfies the CPP
     - Also required in the Basic Core, and must be taken along with the following:
     - Common Program Prerequisites (CPP)
       - E: Science Foundations (6 hrs)
       - Group 2: Select a listed course 3 hrs
     - Core 16 hrs
       - Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.
         - JOU 2100C News Reporting and 3 hrs
         - MMC 3200 Mass Communication Law and 3 hrs
         - JOU 3015 Principles of Journalism and 3 hrs
         - RTV 3321 Electronic News Gathering 4 hrs
       - Select 1: 3 hrs
         - MMC 2004 Mass Media or 3 hrs
         - RTV 4403 Electronic Media, Technology, and Society 3 hrs

4. Core Requirements: Advanced Level (3 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.
   - Select 1: 3 hrs
     - MMC 4300 International Media or 3 hrs
     - Any Nicholson School advisor approved upper-division 3 hrs
     - Study Abroad course

5. Restricted Electives (15 hrs)
   - These courses can only be completed after acceptance into the program.
   - (NOTE: May NOT use courses in your core track as an elective; students must use a different course if they have already taken one listed as a requirement in their track).
   - All prerequisites of courses will be enforced.
   - Courses taken from Group A and Group B must total 9 hours.

Electronic News: Select the following: 6 hrs
- RTV 3301 Electronic Journalism I 3 hrs
- RTV 3304 Electronic Journalism II 3 hrs

Digital News: Select the following: 6 hrs
- JOU 3101 Advanced Reporting 3 hrs

Select 1:
- JOU 4304C Online Journalism I or 3 hrs
- JOU 4342C Multimedia Journalism 3 hrs

Group A: Select from the following: 3-6 hrs
- RTV 3301 Electronic Journalism I 3 hrs
- RTV 3304 Electronic Journalism II 3 hrs
- RTV 4591C Webcasting I 3 hrs
- RTV 4681C Television News 4 hrs
- JOU 3101 Advanced Reporting 3 hrs
- JOU 3130 In-Depth Reporting 3 hrs
- JOU 3184C Metro Reporting 3 hrs
- JOU 3201 Editing I 3 hrs
- JOU 3202 Editing II 3 hrs
- JOU 3310 Social Media Writing for Magazines 3 hrs
- JOU 3313C Sports Reporting 3 hrs
- JOU 3510 Magazine Publishing 3 hrs
- JOU 4181 Public Affairs Reporting 3 hrs
- JOU 4211C Informational Graphics 3 hrs

Group B: Select from the following: 3-6 hrs
- JOU 3301 Journalism Readings 3 hrs
- MMC 3204 Mass Media 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- MMC 4263 New Media Technologies 3 hrs
- MMC 4300 International Media 3 hrs
- MMC 4602 Contemporary Media Issues 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs
- RTV 4505 Program Issues for TV & Motion Pictures 3 hrs
- RTV 4700 Regulation of Broadcasting 3 hrs
- RTV 4800 Broadcast Management 3 hrs

1 May be taken for a maximum of 3 hours
- Internships must be approved in advance by the Journalism Area Coordinator

6. Capstone Requirements (4 hrs)
   - Electronic News: 4 hrs
     - RTV 4681C Television News 4 hrs
   - Digital News: 4 hrs
     - JOU 4950 Senior Capstone in Journalism 4 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 Nicholson School of Communication in order to not exceed the 41 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 41 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.
## 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
- English - Creative Writing
- English - Technical Communication

### Certificates
- None

### Related Minors
- None

### NOTE: Minors taught within the Nicholson School of Communication are not open to Journalism majors.

### 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 Transfer Courses
- None

### Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- GEP-Stat or CS 3 hrs
- Foreign Language 4 hrs

### Sophomore Year - Fall
- MMC 2004 Mass Media or 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

### Sophomore Year - Spring
- JOU 2100C News Reporting 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

### Junior Year - Fall
- If admitted, take...
  - JOU 3004 History of American Journalism 3 hrs
  - MMC 3200 Mass Communication Law 3 hrs
  - RTV 3321 Electronic News Gathering 4 hrs
  - Elective-Minor 3 hrs
  - Elective-take outside of NSC 3 hrs

### Junior Year - Spring
- JOU 3015 Principles of Journalism 3 hrs
- MMC 4300 International Media 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs

### Junior Year - Summer
- Restricted Elective/Internship 3 hrs
- Elective-take outside of NSC 3 hrs

### Senior Year - Fall
- Submit Journalism Portfolio
  - Restricted Elective 3 hrs
  - Elective-Minor 3 hrs
  - Elective-take outside of NSC 3 hrs

### Senior Year - Spring
- Capstone 4 hrs
  - Elective-take outside of NSC 3 hrs
  - Elective-take outside of NSC 2 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.oenol.ucf.edu/academiclearningcompacts.html](http://www.oenol.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term

### Latin American Studies (B.A.)

### College of Arts and Humanities

#### Latin American Studies, Colbourn Hall, Room: 122
Dr. Consuelo Stebbins, Director, stebbins@ucf.edu
Donna Mercado Senior Admissions Specialist, Donna.Mercado@ucf.edu
Phone: 407-823-1173

### 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 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 or advisor.
- 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.
UCF Degree Programs

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Prefer COM 1000 Introduction to Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     - Prefer ARH 2050 History of Western Art I 3 hrs
     - Select 2 Courses From B.1 Based On Area Selections 6 hrs
   - C: Mathematical Foundations (6 hrs)
     - Prefer STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

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

D: Social Foundations (6 hrs)
   - Prefer POS 2302 American National Government 3 hrs
   - Prefer ANT 2000 General Anthropology 3 hrs

E: Science Foundations (6 hrs)
   - Prefer ANT 2511 The Human Species 3 hrs
   - Select 1 course from E.1 3 hrs

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level (3 hrs)
   - LAS 3002 Topics in Latin American Studies 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
   - GEA 4405 Geography of Latin America 3 hrs
   - LAH 3200 Modern Latin America 3 hrs
   - LAH 3101 Latin American Popular Culture 3 hrs
   - LAH 4023 African Caribbean Experience 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.

   Area One: 12 hrs
   - Anthropology
     - AN 3160 Americas Before Columbus 3 hrs
     - AN 3161 Ancient Mexico: Aztec to Zapotec 3 hrs
     - AN 3163 Mesoamerican Archaeology 3 hrs
     - AN 3164 Ancient Incas 3 hrs
     - AN 3165 Archaeology of South America 3 hrs
     - AN 3168 Maya Archaeology 3 hrs
     - AN 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs
     - AN 3330 Anthropology of the Amazon 3 hrs
     - AN 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
     - AN 4340 Caribbean Cultures 3 hrs
     - AN 3177 Archaeology of Caribbean Piracy 3 hrs
     - AN 4332 People and Cultures of Latin America 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

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:
       - 1. A formal study-abroad program on Latin America of at least 45 contact hours equaling three (3) hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three (3) hours of academic Independent Study, and/or Internship credit is available with Program Director’s prior approval.
       - 2. Students may also elect to complete three hours of upper division credit in an indigenous language such as Yucatec Maya, Nahuatl, or Quechua. As the latter languages are currently not taught at UCF, interested students would need to enroll in an off-campus program.
       - 3. 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 the program advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Required Minor: 18 hrs (minimum)
- LAS majors cannot minor in Latin American Studies. A second major can satisfy the minor requirement with prior consent of Program Director. The LAS minor will continue to be available to non-LAS majors.
- Students will select a minor in consultation with the LAS Program Director or advisor. No more than six (6) hours can overlap between the major and the minor.

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Anthropology
- History
- Political Science
- Modern Language Combination
- Art - History Track
- Interdisciplinary Studies

Certificates
- None

Related Minors
- 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.

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 13 hrs
- ENC 1101 Composition I 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- ANT 2000 General Anthropology 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 13 hrs
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Freshman Year - Summer 6 hrs
- Elective 3 hrs
- Elective 3 hrs

Sophomore Year - Fall 12 hrs
- COM 1000 Introduction to Communication 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- GECC Course in Cultural & Historical Foundations from B.1 3 hrs
- GECC Course in Science Foundation 3 hrs

Sophomore Year - Spring 15 hrs
- ARH 2050 History of Western Art I 3 hrs
- GECC Course in Cultural & Historical Foundations From B.1 3 hrs
- GECC Course in Science Foundation 3 hrs
- LAS 3002 Topics in Latin American Studies 3 hrs

Sophomore Year - Summer 4 hrs
- LAS 3955 Study Abroad 1 hr
- Elective 3 hrs

Junior Year - Fall 12 hrs
- GEA 4405 Geography of Latin America 3 hrs
- LAS 4023 African Caribbean Experience 3 hrs
- Two courses from first area of emphasis 6 hrs

Junior Year - Spring 12 hrs
- LAH 3200 Modern Latin America 3 hrs
- One course from first area of emphasis 3 hrs
- One course from second area of emphasis 3 hrs
- LAS 3101 Latin American Popular Culture 3 hrs

Junior Year - Summer 6 hrs
- Elective 3 hrs
- Elective 3 hrs

Senior Year - Fall 12 hrs
- One course from first area of emphasis 3 hrs
- One course from second area of emphasis 3 hrs
- Course in Minor 3 hrs
- Course in Minor 3 hrs

Senior Year - Spring 10 hrs
- One course from second area of emphasis 3 hrs
- LAS 4906 Directed Independent Study 1 hr
- Course in Minor 3 hrs
- Course in Minor 3 hrs

Senior Year - Summer 6 hrs
- Elective 3 hrs
- Elective 3 hrs

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

Legal Studies (B.A. / B.S.)

College of Health and Public Affairs
Department of Legal Studies,
Health and Public Affairs, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
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 minor 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
UCF Degree Programs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida 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

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (18 hrs)

- All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.
- PLA 3014 Law and the Legal System 3 hrs
- PLA 3108 Legal Research 3 hrs
- PLA 3155 Legal Writing 3 hrs
- PLA 3205 Civil Practice and Procedure 3 hrs
- PLA 3615 Property and Real Estate Law 3 hrs
- PLA 4703 Professional Ethics and Liability 3 hrs

5. Restricted Electives (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.

6. Capstone Requirements (3 hrs)

- Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.
- PLA 4950 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. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes (ASL I, II and III).

8. Electives

- If students chose the following electives, they must complete them with a minimum grade of a “C” (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.
- Second Bachelor’s degree students must complete a minimum of 30 credit hours of Legal Studies (PLA) coursework after being admitted as a second degree seeking student.

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors In Major

- Interested students should consult with their faculty advisor.

Related Programs

- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
- Business Administration

Certificates

- Public and Professional Writing

Related Minors

- Business
- Criminal Justice
- Crime, Law, and Deviance
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes

- None

Transfer Notes

- 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
- GEP Math 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- GEP Social 3 hrs
- GEP Science 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- GEP Math 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs
- GEP Cultural 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2015-2016
### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Management must apply for admission to the major.
  
  Any student receiving a business degree must complete a minimum of 30 of the 58 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.

- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.

- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.

- Students in the Management major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Management (MAN) and Entrepreneurship (ENT) courses taken at UCF. Students must also maintain a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Management major and/or College of Business.

A student who is dismissed may seek consideration for readmittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

- Students must earn a “B” or higher in MAN 3025. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1008 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Select 1:  

<table>
<thead>
<tr>
<th>Select 1</th>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested ANT 2000 General Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested SYG 2000 Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### E: Science Foundations  

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Common Program Prerequisites (CPP)</td>
<td>(18 hrs)</td>
</tr>
</tbody>
</table>

- Must be completed with a “C” (2.0) or better

<table>
<thead>
<tr>
<th>ACB 2021 Principles of Financial Accounting</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACB 2071 Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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 |

### Sophomore Year - Fall  

<table>
<thead>
<tr>
<th>16 hrs</th>
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</thead>
<tbody>
<tr>
<td>GPA Communication</td>
</tr>
<tr>
<td>Free Elective</td>
</tr>
<tr>
<td>GEP Science</td>
</tr>
<tr>
<td>GEP Historical</td>
</tr>
<tr>
<td>Foreign Language I or BS option</td>
</tr>
</tbody>
</table>

### Junior Year - Fall  

<table>
<thead>
<tr>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>PLA 3014 Law and the Legal System</td>
</tr>
<tr>
<td>Free Elective</td>
</tr>
<tr>
<td>Elective / Minor</td>
</tr>
<tr>
<td>GEP Historical</td>
</tr>
<tr>
<td>Foreign Language II or BS option</td>
</tr>
</tbody>
</table>

### Senior Year - Spring  

<table>
<thead>
<tr>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>PLA 3615 Property and Real Estate Law</td>
</tr>
<tr>
<td>Restricted Elective</td>
</tr>
<tr>
<td>Restricted Elective</td>
</tr>
<tr>
<td>Supporting Elective</td>
</tr>
<tr>
<td>Supporting 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.oecs.ucf.edu/academiclearningcompacts.html

### Management (B.S.B.A.)  

### College of Business Administration  

#### Department of Management,  

**Business Administration I, Room: 309**  

http://business.ucf.edu/undergraduate-programs  

Phone: 407-823-5569

The management major combines theory and application, with a focus on problem solving, group projects, and case analysis. The curriculum prepares students for leadership roles in a variety of organizations, including: large and small, public and private, for profit and non-for-profit. The program can also accommodate students who wish to embark on their own entrepreneurial ventures. Students majoring in management should possess strong quantitative skills, enjoy problem solving, and embrace working with people.

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, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.

- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least “B” (3.0) in MAN 3025, and no grade below a “C” (2.0). One course may be repeated once time in the next term of enrollment to meet these requirements.

- See Common Program Prerequisites
3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level

Primary Core

- ACG 3173 Accounting for Decision-Makers  3 hrs
- ECO 3411 Quantitative Business Tools II  3 hrs
- FIN 3403 Business Finance  3 hrs
- MAN 3025 Management of Organizations  3 hrs
- MAR 3023 Marketing  3 hrs

Secondary Core

- GEB 3003 Career Research & Planning  1 hr
- GEB 3005 Career Search Strategy  1 hr
- BUL 3130 Legal and Ethical Environment of Business  3 hrs
- GEB 3375 Introduction to International Business  3 hrs
- MAR 3203 Supply Chain and Operations Management  3 hrs
- GEB 4223 Business Interviewing Techniques  1 hr
- GEB 4004 Executing Your Career Plan  1 hr

Required Courses for Major

- MAN 4350 Performance Management  3 hrs
- MAN 4143 Leadership Development  3 hrs
- MAN 4240 Organizations: Theory and Behavior  3 hrs
- MAN 4441 Conflict Resolution and Negotiation  3 hrs
- MAN 4046 Teamwork, Collaboration, and Group Dynamics  3 hrs

5. Restricted Electives

Restricted Elective Courses  9 hrs

Select 3:

- GEB 4435 Moral Foundations of Business or  3 hrs
- MAN 4209 Designing Dynamic Organizations or  3 hrs
- MAN 3301 Strategic Human Resource Management or  3 hrs
- MAN 4320 Human Resources Recruitment and Selection or  3 hrs
- MAN 4329 Business Analytics in Human Resource Management or  3 hrs

Any MAN or ENT course  3 hrs

Business Elective  3 hrs

Any upper level business course  3 hrs

6. Capstone Requirements

- An approved Intent to Graduate must be on file in order to register for MAN 4720.
- MAN 4720 Strategic Management  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

- Variable

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum major GPA of 2.75 and a minimum College of Business 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

- 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, and at least two semesters remaining prior to graduation.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Chair of the Management Department 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 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.

- 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 a minimum of 30 of the 58 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

- General electives as required to earn 120 credit hours.

Freshman Year - Fall  15 hrs

- ENC 1101 Composition I  3 hrs
- MAC 1105C College Algebra  3 hrs
- ECO 2013 Principles of Macroeconomics  3 hrs
- Cultural Foundation I  3 hrs
- Elective  3 hrs
### UCF Degree Programs

#### Marketing (B.S.B.A.)

**College of Business Administration**

**Department of Marketing,**

**Business Administration II, Room: 307S**


**Phone:** 407-823-2108

Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, or positions in retail, sales, market research, or promotion. The professional selling track prepares students for positions in B-B selling, with the potential to advance into either sales management or marketing management. 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, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least "B" (3.0) in MAR 3023, and no grade below a "C" (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 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.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.

A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.

- Students in the Marketing major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Marketing courses and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term, the student will be dropped as a Marketing major and/or College of Business student. A student who is dropped may seek readmission into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Re-admission is not automatic or guaranteed and as an exception to College policy is rarely granted.

- Students must earn a "B" or higher in MAR 3023. In addition, only grades of "C" (2.0) or higher transfer into the program and students must earn a minimum of "C" (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

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

   | A: Communication Foundations | 3 hrs |
   | Prefer | SPC 1608  | Fundamentals of Oral Communication |

2. **Cultural & Historical Foundations** (9 hrs)

   | B: Cultural & Historical Foundations | 9 hrs |
   | Required | CGS 2100C | Computer Fundamentals for Business |
   | Required | MAC 1105C | College Algebra |

3. **Mathematical Foundations** (6 hrs)

   | C: Mathematical Foundations | 6 hrs |
   | Required | ECO 2023 | Principles of Microeconomics |
   | Required | ECO 2013 | Principles of Macroeconomics |

4. **Social Foundations** (6 hrs)

   | D: Social Foundations | 6 hrs |
   | Prefer | ECO 2013 | Principles of Macroeconomics |
   | Prefer | ECO 2023 | Principles of Microeconomics |

5. **Science Foundations** (6 hrs)

   | E: Science Foundations | 6 hrs |
   | Suggested | PSY 2012 | General Psychology |
   | Suggested | ANT 2000 | General Anthropology |
   | Suggested | SYG 2000 | Introduction to Sociology |

### Degree Requirements

- **Freshman Year - Spring:** 15 hrs
  - ENC 1102  Composition II  3 hrs
  - ECO 2023  Principles of Microeconomics  3 hrs
  - Social Foundation  3 hrs
  - Elective  3 hrs
  - Elective  3 hrs

- **Sophomore Year - Fall:** 15 hrs
  - ACG 2021  Principles of Financial Accounting  3 hrs
  - SPC 1608  Fundamentals of Oral Communication  3 hrs
  - Science  3 hrs
  - Historical Foundation I  3 hrs
  - Elective  3 hrs

- **Junior Year - Fall:** 16 hrs
  - ACG 3173  Accounting for Decision-Makers  3 hrs
  - ECO 3411  Quantitative Business Tools I  3 hrs
  - MAN 3025  Management of Organizations  3 hrs
  - MAR 3023  Marketing  3 hrs
  - FIN 3403  Business Finance  3 hrs
  - GEB 3003  Career Research & Planning  1 hr

- **Senior Year - Fall:** 16 hrs
  - MAN 4240  Organizations: Theory and Behavior  3 hrs
  - MAN 4441  Conflict Resolution and Negotiation  3 hrs
  - MAN Elective  3 hrs
  - GEB 3375  Introduction to International Business  3 hrs
  - GEB 3005  Career Search Strategy  1 hr
  - Elective  2 hrs

- **Sophomore Year - Spring:** 15 hrs
  - ACG 2071  Principles of Managerial Accounting  3 hrs
  - ECO 3401  Quantitative Business Tools I  3 hrs
  - Historical Foundation II  3 hrs
  - Science  3 hrs
  - GCS 2100C  Computer Fundamentals for Business  3 hrs

- **Junior Year - Fall:** 16 hrs
  - ACG 3173  Accounting for Decision-Makers  3 hrs
  - ECO 3411  Quantitative Business Tools II  3 hrs
  - MAN 3025  Management of Organizations  3 hrs
  - MAR 3023  Marketing  3 hrs
  - FIN 3403  Business Finance  3 hrs
  - GEB 3003  Career Research & Planning  1 hr

- **Senior Year - Fall:** 13 hrs
  - MAN 4046  Teamwork, Collaboration, and Group Dynamics  3 hrs
  - MAR 3203  Supply Chain and Operations Management  3 hrs
  - MAN 4720  Strategic Management  3 hrs
  - Management Elective  3 hrs
  - GEB 4004  Executing Your Career Plan  1 hr

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

#### Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term
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 Microeconomics  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
  - STA 2023  Statistical Methods I  3 hrs

  1 Or MAC 2311 and MAC 2312

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (55 hrs)
   
   Primary Core 15 hrs
   - ACG 3173  Accounting for Decision-Makers  3 hrs
   - ECO 3411  Quantitative Business Tools II  3 hrs
   - FIN 3403  Business Finance  3 hrs
   - MAN 3025  Management of Organizations  3 hrs
   - MAR 3023  Marketing  3 hrs

   Secondary Core 13 hrs
   - GEB 3003  Career Research & Planning  1 hr
   - GEB 3005  Career Search Strategy  1 hr
   - BUL 3130  Legal and Ethical Environment of Business  3 hrs
   - GEB 3375  Introduction to International Business  3 hrs
   - MAR 3203  Supply Chain and Operations Management  3 hrs
   - GEB 4223  Business Interviewing Techniques  1 hr
   - MAR 4941  Marketing Internship  3 hrs

   Required Courses for Major
   - Marketing Management Track: Required 24 hrs
     - MAR 3615  Marketing Analysis  3 hrs
     - MAR 3391  Professional Selling  3 hrs
     - MAR 3503  Consumer Behavior  3 hrs
     - MAR 3613  Marketing Research  3 hrs
     - MAR 3721  Digital Media Marketing  3 hrs
     - MAR 4832  Product Management  3 hrs
     - MAR 4804  Marketing Strategy  3 hrs
     - MAR 4418  Strategic Sales Force Management  3 hrs

   Marketing Management Track: Electives 3 hrs
   - Select 1: 3 hrs
     - MAR 4841  Services Marketing or 3 hrs
     - MAR 4941  Marketing Internship  3 hrs

   OR
   - Professional Selling Track: Required 27 hrs
     - Admission by department approval: Applicants restricted to declared marketing majors or other business majors who meet all GPA requirements for admission to the marketing major. Requires submission of application by May 1. Department faculty committee will select 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:
       - MAR 3615  Marketing Analysis  3 hrs
       - MAR 3391  Professional Selling  3 hrs
       - MAR 3503  Consumer Behavior  3 hrs
       - MAR 3613  Marketing Research  3 hrs
       - MAR 3721  Digital Media Marketing  3 hrs
       - MAR 4418  Strategic Sales Force Management  3 hrs
       - MAR 4804  Marketing Strategy  3 hrs
       - MAR 4415C  Advanced Professional Selling  3 hrs
       - MAR 4413C  Strategic Issues in Sales  3 hrs

5. Restricted Electives
- None

6. Capstone Requirements (3 hrs)
- An approved Intent to Graduate must be on file in order to register for MAN 4720.
  - MAN 4720  Strategic Management  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
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum major GPA of 2.75 and a minimum College of Business 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
- 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, and at least two semesters remaining prior to graduation.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Chair of the Marketing Department 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 two honors courses (total of 6 credit hours) as follows:

   Honors In Major Credit Requirements

   Required Honors Reading Course
   - MAR 4903H  Honors Directed Reading I  3 hrs

   Required Honors Thesis
   - MAR 4970H  Undergraduate Honors Thesis  3 hrs

Related Programs
- None

Certificates
- Professional Selling and Sales Management

Related Minors
- Marketing

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.
### Plan of Study

- **Sophomore Year - Fall** 15 hrs
  - ENC 1101 Composition I 3 hrs
  - MAC 1105C College Algebra 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - Cultural Foundation I 3 hrs
  - Elective 3 hrs

- **Sophomore Year - Spring** 15 hrs
  - ENC 1102 Composition II 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs
  - Social Foundation 3 hrs
  - Elective 3 hrs
  - Elective 3 hrs

- **Junior Year - Fall** 15 hrs
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - Science 3 hrs
  - Historical Foundation I 3 hrs
  - Elective 3 hrs

- **Junior Year - Spring** 15 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - ECO 3401 Quantitative Business Tools II 3 hrs
  - CGS 2100C Computer Fundamentals for Business 3 hrs
  - Historical Foundation II 3 hrs
  - Science 3 hrs

- **Senior Year - Fall** 15 hrs
  - MAC 2311 Mathematics I 4 hrs
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Digital Media Marketing 3 hrs
  - MAR 3615 Marketing Analysis 3 hrs
  - MAR 3393 Professional Selling 3 hrs
  - Elective 3 hrs

### Acceptable Substitutes for Transfer Courses

- 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, can take Quantitative Business Tools I.

### Subject to the General Grade and Residence Requirements

- 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.

### Any student receiving a business degree must complete

- A minimum of 30 of the 58 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.

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/academiclearningcompacts.html](http://www.oecs.ucf.edu/academiclearningcompacts.html)

### Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Mathematics (B.S.)

#### College of Sciences

**Department of Mathematics, Math and Physics, Room: 207**

[http://math.ucf.edu](http://math.ucf.edu)  
Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu, 407-823-0147

### 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 2202 Ordinary Differential Equations I 3 hrs
UCF Degree Programs

Note: the following courses will not satisfy any Math degree requirements:
- MTG 4212 Modern Geometries 4 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)
   - **B:** Cultural & Historical Foundations (9 hrs)
   - **C:** Mathematical Foundations (7 hrs)
     - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
     - Required COP 3502C Computer Science I 3 hrs
   - **D:** Social Foundations (6 hrs)
     - 1. Depending on concentration, select 3 hrs
       - Required ECO 2023 Principles of Microeconomics or Principles of Macroeconomics 3 hrs
       - Suggested POS 2041 American National Government 3 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 and MAC 2311C Calculus with Analytic Geometry I and GEP/CPP 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 and GEP/CPP 4 hrs
       - MAC 2311C Calculus with Analytic Geometry I and GEP/CPP 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
       - CHM 2045C Chemistry Fundamentals I and GEP/CPP 4 hrs
       - CHM 2046C Chemistry Fundamentals II and GEP/CPP 3 hrs
       - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
     - **3. Core Requirements: Basic Level (11 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 4 hrs
           - MAC 2311C Calculus with Analytic Geometry I and GEP/CPP 4 hrs
           - MAC 2312 Calculus with Analytic Geometry II and CPP 4 hrs
           - MAC 2313 Calculus with Analytic Geometry III and CPP 3 hrs
           - MAP 2302 Ordinary Differential Equations I and CPP 3 hrs
         - **Basic Core: Additional requirements**
           - MAS 3106 Linear Algebra 4 hrs
           - or acceptable in Computational Concentration:
             - MHF 4404 History of Mathematics 3 hrs
             - 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 4 hrs

- **- Chemistry:**
  - Select any 4000 or 5000 level course offered by the Department of Mathematics 12 hrs
  - Select any 4000 or 5000 level course with an MAP or MAT prefix offered by the Department of Mathematics 3 hrs
  - Any 4000 or 5000 level course with an MAA, MAD, MAS, or MTG prefix offered by the Department of Mathematics except MTG 4212 3 hrs

- **- Physics:**
  - Select any 4000 or 5000 level course offered by the Department of Mathematics 12 hrs
  - Select any 4000 or 5000 level course with an MAP or MAT prefix offered by the Department of Mathematics 3 hrs
  - Any 4000 or 5000 level course with an MAA, MAD, MAS, or MTG prefix offered by the Department of Mathematics except MTG 4212 3 hrs

- **- Computing Sciences:**
  - Select any 4000 or 5000 level course offered by the Department of Computer Science 9 hrs
  - Select any 4000 or 5000 level course offered by the Department of Information Technology 3 hrs
  - Any 4000 or 5000 level course with an MAP or MAT prefix offered by the Department of Mathematics 3 hrs
  - Any 4000 or 5000 level course with an MAA, MAD, MAS, or MTG prefix offered by the Department of Mathematics except MTG 4212 3 hrs

4. Core Requirements: Advanced Level (7 hrs)
   - Select 1:
     - MAP 4384 Numerical Methods for Computational Sciences or MAP 4113 Probability, Random Processes and Applications 4 hrs

5. Restricted Electives
   - Students must select one of the following five concentrations.
     - **A. General Concentration**
       - Select any 4000 or 5000 level course offered by the Department of Mathematics 12 hrs
     - Select any 4000 or 5000 level course with an MAP or MAT prefix offered by the Department of Mathematics 3 hrs
     - Any 4000 or 5000 level course with an MAA, MAD, MAS, or MTG prefix offered by the Department of Mathematics except MTG 4212 3 hrs

   - **B. Applied Mathematics Concentration**
     - Select any 4000 or 5000 level course offered by the Department of Mathematics 12 hrs
     - Select any 4000 or 5000 level course with an MAP or MAT prefix offered by the Department of Mathematics 3 hrs
     - Any 4000 or 5000 level course with an MAA, MAD, MAS, or MTG prefix offered by the Department of Mathematics except MTG 4212 3 hrs

   - **C. Pure Mathematics Concentration**
     - Select any 4000 or 5000 level course offered by the Department of Mathematics 12 hrs

   - **D. Mathematical Biology Concentration**
     - Select any 4000 or 5000 level course offered by the Department of Mathematics 12 hrs

   - **E. Accounting Concentration**
     - Select any 4000 or 5000 level course offered by the Department of Accounting 12 hrs
Select 3: 9 hrs
MAD 4203 Introduction to Combinatorics or 3 hrs
MAD 4301 Introduction to Graph Theory or 3 hrs
MAP 4303 Ordinary Differential Equations II or 3 hrs
MAP 4341 Introduction to Partial Differential Equations or 3 hrs
MAS 5145 Advanced Linear Algebra and Matrix Theory or 3 hrs
MAA 5228 Analysis I or 3 hrs
MTG 5256 Differential Geometry or 3 hrs
MAP 4342 Partial Differential Equations II or 3 hrs

D. Mathematical Biology Concentration 33 hrs
Students are to have completed these courses 24 hrs
in the GEP, CPP, or Core Requirements
BSC 2010C Biology I and 4 hrs
BSC 2011C Biology II and 4 hrs
CHM 2045C Chemistry Fundamentals I and 4 hrs
CHM 2046 Chemistry Fundamentals II and 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
PHY 2048C Physics for Engineers & Scientists I and 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Take all of the following: 33 hrs
CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
MAP 4484 Mathematical Biology I and 3 hrs
STA 2023 Statistical Methods I and 3 hrs
STA 4321 Statistical Theory I 3 hrs
STA 4322 Statistical Theory II and 3 hrs
Any 4000 or 5000 level course with an MAP or MAT prefix offered by the Department of Mathematics and 3 hrs
Any 4000 or 5000 level course with an MAA, MAD, MAS, or MTG prefix offered by the Department of Mathematics except MTG 4212 and 3 hrs
Select from lecture courses listed in the restricted electives 9 hrs
within the Biology and/or Biomedical Sciences programs.

1 or the two semester equivalent

E. Mathematical Economics Concentration 36 hrs
Students are to have completed this course in the GEP, CPP, or Core Requirements
ECO 2023 Principles of Microeconomics 3 hrs

Take all of the following: 21 hrs
ECO 2013 Principles of Macroeconomics and 3 hrs
ECO 3010 Intermediate Microeconomics and 3 hrs
ECO 3203 Intermediate Macroeconomics and 3 hrs
ECO 3410 Mathematical Economics and 3 hrs
ECO 4412 Econometrics and 3 hrs
STA 2023 Statistical Methods I and 3 hrs
STA 4321 Statistical Theory I 3 hrs

Select 3: 9 hrs
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 3 hrs

Select 1: 3 hrs
1 MAP 4113 Probability, Random Processes and Applications or 4 hrs
2 MAP 4384 Numerical Methods for Computational Sciences or 4 hrs
MAP 4171 Optimization or 3 hrs
MAP 4303 Ordinary Differential Equations II or 3 hrs
MAP 4341 Introduction to Partial Differential Equations or 3 hrs
MAP 4371 Numerical Methods for Differential Equations or 3 hrs

Select 1: 3 hrs
MAD 4402 Introduction to Complex Variables or 3 hrs
MAD 4203 Introduction to Combinatorics or 3 hrs
MAD 4301 Introduction to Graph Theory or 3 hrs

F. Computational Concentration 39 hrs
Students are to have completed this course in the GEP, CPP, or Core Requirements
COP 3502C Computer Science I 3 hrs

Take all of the following: 18 hrs
COP 3503C Computer Science II and 3 hrs
MAP 4303 Ordinary Differential Equations II and 3 hrs
MAP 4341 Introduction to Partial Differential Equations and 3 hrs
STA 2023 Statistical Methods I and 3 hrs
STA 4321 Statistical Theory I and 3 hrs
STA 4322 Statistical Theory II and 3 hrs

Select 1: 3 hrs
MAP 4371 Numerical Methods for Differential Equations or 3 hrs
1 MAP 4384 Numerical Methods for Computational Sciences or 4 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 4768 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 or 3 hrs

1 Only if MAP 4113 taken as part of the core.

G. Engineering/Physics Concentration 42 hrs
Students are to have completed the following to satisfy the GEP, CPP, or Core Requirements

Take all of 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 3010 Physics for Engineers and Scientists III and 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

Select 1: 3 hrs
EGN 3310 Engineering Analysis-Statics or 3 hrs
PHY 3220 Mechanics I or 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 at least 6 hrs: 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
EGM 3601 Solid Mechanics or 3 hrs
EGN 3331 Mechanics of Materials or 3 hrs
EIN 2002 Introduction to Industrial Engineering and Management Systems or
### UCF Degree Programs

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<td>ESI 4312</td>
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<td>MAD 4301</td>
<td>Introduction to Graph Theory</td>
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1 Only if MAP 4113 taken as part of the core.

### 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 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~http://utc.sdes.ucf.edu/math/
opportunities for employment with formal, K-12 schools that require certification. The Education Track is appropriate for students interested in Mathematics Education - Lifelong Learning Track (non-certification).

The Mathematics Education B.S. program offers students the option of two tracks: Mathematics Education - Education Track and Mathematics Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students seeking opportunities outside formal, K-12 schools that do not require certification.

**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.
- 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.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

**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.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
   - Students are advised to take the preferred courses.
   - A: Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     - General Education Program elective from section B1 to meet Gordon Rule Requirement
   - Select 1:
     - Prefer MUL 2120 Enjoyment of Music or SPC 2618 Fundamentals of Oral Communication 3 hrs
     - Prefer THE 2000 Theatre Survey or PCC 2080 General Survey of the Performing Arts 3 hrs
     - Prefer PHI 2010 Introduction to Philosophy or SPC 1608 Fundamentals of Oral Communication 3 hrs
     - General Education Program elective: Prefer a second course from GEP section B1
   - 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)
     - Prefer POS 2041 American National Government 3 hrs
     - Prefer PST 2012 General Psychology 3 hrs
   - E: Science Foundations (6 hrs)
     - Prefer PSC 1621 Physical Science 3 hrs
   - Select 1:
     - Prefer ANT 2511 The Human Species or BSC 1005 Introduction to Biology 3 hrs
     - Prefer BSC 1006 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 2055 Introduction to the Teaching Profession 3 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs
   - 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.
UCF Degree Programs

3. Core Requirements: Basic Level (6 hrs)
- Education Track requires 6 semester hours
- Lifelong Learning Track requires 9 semester hours
- Students should consult advisor regarding course options.

Education Track 6 hrs
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2023 Statistical Methods GEP
MAC 2312 Calculus with Analytic Geometry II CPP
MAC 2313 Calculus with Analytic Geometry III CPP
MAP 2302 Ordinary Differential Equations I CPP

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Lifelong Learning Track 9 hrs
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2023 Statistical Methods GEP
MAC 2312 Calculus with Analytic Geometry II CPP
MAC 2313 Calculus with Analytic Geometry III CPP
MAP 2302 Ordinary Differential Equations I CPP

Select 1:
EDF 2130 Child and Adolescent Development for Educators or 3 hrs
EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (57 hrs)
- Education Track requires 60 semester hours
- Lifelong Learning Track requires 57 semester hours

Education Core Requirements 18 hrs
- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
STA 4021 Statistical Methods I 3 hrs
MAE 4634 Mathematics Instructional Analysis 4 hrs

Select 1:
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 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
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4161 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs

Internship I Block 7 hrs
- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of "C" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Students should consult advisor regarding course approval.

Fulfilling the following requirements will result in a minimum GPA of 2.5 in the professional, specialization, and overall.

MAE 3940 Internship 3 hrs
MAE 3941 Directed Field Experience 1 hr
MAE 4360 Mathematics Instructional Analysis 4 hrs
MAE 4634 Mathematics Instructional Analysis 4 hrs

Internship II 12 hrs
- At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Mathematics 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.
- A grade of "C-"(1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

MAS 3105 Matrix and Linear Algebra 4 hrs
MAS 3203 Introduction to Number Theory 3 hrs
MHF 3302 Logic and Proof in Mathematics 3 hrs
MHF 4404 History of Mathematics 3 hrs
MTG 4212 Modern Geometries 4 hrs
STA 4163 Statistical Methods II 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 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
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4161 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
### UCF Degree Programs

#### 5. Restricted Electives
- None

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation
- None

#### 8. Electives
- None

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

#### Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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)

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<tr>
<th>Freshman Year - Fall</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
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<tr>
<td>PSC 1121 Physical Science</td>
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<td>GEP B1 Elective</td>
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<td>ENC 1102 Composition II</td>
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<td>MAC 2312 Calculus with Analytic Geometry II</td>
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<td>SPC 1608 Fundamentals of Oral Communication</td>
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<td>GEP B3 Elective (Prefer course from section B1)</td>
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<td>ANT 2511 The Human Species or</td>
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<td>BSC 1005 Biological Principles</td>
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<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
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<td>PSY 2012 General Psychology</td>
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<td>THE 2000 Theatre Survey or</td>
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<td>MAP 2302 Ordinary Differential Equations</td>
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<td>POS 2041 American National Government</td>
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<tr>
<td>STA 2023 Statistical Methods I</td>
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<td>EME 2040 Introduction to Technology for Educators</td>
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<td>EDF 2130 Child and Adolescent Development for Educators</td>
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<td>EDF 2270 Adult Development &amp; Learning</td>
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<td>EDG 4410 Teaching Strategies and Classroom Management</td>
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<td>EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
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<td>TSL 4080 Theory and Practice of Teaching ESL in Schools</td>
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<td>MAE 4360 Mathematics Instructional Analysis</td>
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<td>MGF 4404 History of Mathematics</td>
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<th>Senior Year - Spring</th>
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<td>MAE 4941 Internship</td>
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UNIVERSITY OF CENTRAL FLORIDA 257 Undergraduate Catalog 2015-2016
UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html

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: 381
http://www.mae.ucf.edu

Email: mmaeugrad@ucf.edu
Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-8014
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-5448

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 CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Students in the Mechanical Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Mechanical Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Mechanical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Mechanical Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Mechanical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Mechanical Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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 F. 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
- 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 Microeconomics or 3 hrs
- Prefer: ECO 2023 Principles of Macroeconomics 3 hrs
- Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
- Required: PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Select one 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 GEP
1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
1 MAP 2302 Ordinary Differential Equations I 3 hrs
1 PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

1 A "C" (2.0) or better is required in this course.

Select one of the following sequences of courses:
- Preferred course
CHS 1440 Principles of Chemistry 4 hrs

- First alternative: Select all of the following: 6 hrs
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

- 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.
   - EGS 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 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 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

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.
   - CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
   - EML 4501C: Engineering Design I 3 hrs
   - EML 4502C: Engineering Design II 3 hrs

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

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - 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
- Aerospace Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- Double Degree/Double Major requirements listed under the college section of the catalog.

Career and Academic Advising
- The department requires all students in the program 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.
  - EML 3990: Mechanical Career and Academic Faculty 0 hrs Advising I
  - EML 4991: Mechanical Career and Academic Faculty 0 hrs Advising II

Transfer Notes
- EGS 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 12 hrs
- EGS 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: Principles of Chemistry or 4 hrs
- CHM 2045C: Chemistry Fundamentals I or 4 hrs
- CHM 2040: Chemistry Fundamentals IA 3 hrs

1 Must take CHM 2041 to complete the sequence

Freshman Year - Spring 15 hrs
- EGN 1007C: Engineering Concepts and Methods 3 hrs
- ENC 1102: Composition II 3 hrs
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- PHY 2048C: Physics for Engineers & Scientists I 4 hrs
- GEP 3 hrs

Freshman Year - Summer 10 hrs
- MAC 2313: Calculus with Analytic Geometry III 4 hrs
- GEP 3 hrs
- EGN 3365: Structure and Properties of Materials 3 hrs

Sophomore Year - Fall 13 hrs
- MAP 2302: Ordinary Differential Equations I 3 hrs
- EGN 3310: Engineering Analysis-Stats 3 hrs
- STA 3032: Probability and Statistics for Engineers 3 hrs
- PHY 2049C: Physics for Engineers and Scientists II 4 hrs

Sophomore Year - Spring 12 hrs
- EGN 3343: Thermodynamics 3 hrs
- EGM 3601: Solid Mechanics 3 hrs
- EGN 3373: Principles of Electrical Engineering 3 hrs
- EML 3217: Engineering Mechanics - Dynamics 3 hrs

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### UCF Degree Programs

#### Sophomore Year - Summer (9 hrs)
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Junior Year - Fall (15 hrs)
- EML 3701: Fluid Mechanics I 3 hrs
- EML 3034C: Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C: Mechanical Engineering Measurements 3 hrs
- GEP 3 hrs
- EML 3990: Mechanical Career and Academic Faculty Advising I 0 hrs
- EML 3500: Design and Analysis of Machine Components 3 hrs

#### Junior Year - Spring (15 hrs)
- EML 4142: Heat Transfer 3 hrs
- EML 4225: Introduction to Vibrations and Controls 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- GEP 3 hrs

#### Senior Year - Fall (15 hrs)
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- EML 4501C: Engineering Design I 3 hrs
- EML 4991: Mechanical Career and Academic Faculty Advising II 0 hrs

#### Senior Year - Spring (12 hrs)
- EML 4502C: Engineering Design II 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

#### Select 1 (3 hrs)
- 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.oeas.ucf.edu/academiclearningcompacts.html

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Medical Laboratory Sciences (B.S.)

#### College of Medicine

**Burnett School of Biomedical Sciences**
**Department of Molecular and Microbiology**, **Health and Public Affairs II, Room: 335**
http://www.biomed.ucf.edu

Dr. Griffith Parks, 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 Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.

- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0).

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida 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 Laboratory Personnel trainee license are required.

1. **UCF General Education Program (GEP)**
   - **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)

2. **Common Program Prerequisites (CPP)**
   - **See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**
   - **BSC 2010C**: Biology I 4 hrs
   - **BSC 2045C**: Chemistry Fundamentals I 4 hrs
   - **CHM 2010**: General Chemistry I 4 hrs
   - **CHM 2011**: General Chemistry II 4 hrs
   - **CHM 2046**: Chemistry Fundamentals Laboratory I 1 hr
   - **CHM 2046L**: Chemistry Fundamentals Laboratory Lab 1 hr

3. **Core Requirements: Basic Level**
   - **None**

4. **Core Requirements: Advanced Level**
   - **MLS 3200C**: Techniques in Clinical Microscopy 3 hrs
   - **MLS 4625**: Advanced Clinical Chemistry I 3 hrs
   - **MLS 4630**: Advanced Clinical Chemistry II 3 hrs
   - **PCB 3233**: Immunology 3 hrs
   - **MLS 4430C**: Clinical Parasitology 3 hrs
   - **MLS 3305**: Hematology 3 hrs
   - **MLS 4505C**: Immunodiagnostics 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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5. Restricted Electives

Advising Notes

Related Minors

Certificates

Related Programs

Honors In Major

Total Semester Hours Required

Rule, and nine hours of Summer credit.

CLEP, Credit by Exam, and Armed Forces credits permitted.

completed in residency at UCF.

12. University Minimum 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.

11. Departmental Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

126

Honors In Major

None

Related Programs

Biomedical Sciences

Certificates

None

Related Minors

Biomedical Sciences

Advising Notes

None

Transfer Notes

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses

None

Biology

Chemistry

Change in Catalog Date

This catalog replaces the Undergraduate Catalog 2014-2015.
UCF Degree Programs

Music (B.A.)
College of Arts and Humanities
Department of Music,
Performing Arts Center, Room: M203
http://music.cah.ucf.edu
Email: ucfmusic@ucf.edu
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

- Each student must 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 to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major
- Students should consult with a departmental advisor for course selections
- Courses designated in 1 (General Education Program) are usually spread over the full four years
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)
   - (see General Education Program for detailed information)
   A: Communication Foundations (9 hrs)
     Required ENC 1101 Composition I 3 hrs
     Required ENC 1102 Composition II 3 hrs
     Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
     Required MUH 3211 Music History and Literature I 3 hrs
     Select one course from B.1 list 3 hrs
     Select one course from B.1 or B.2 list 3 hrs
   C: Mathematical Foundations (6 hrs)
     Math 3 hrs
     Suggested MGF 1107 Explorations in Mathematics 3 hrs
     or
     Suggested MGF 1106 Finite 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) (28 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   MUT 1121 Music Theory and Musicianship I 4 hrs
   MUT 1122 Music Theory and Musicianship II 4 hrs
   MUT 2126 Music Theory and Musicianship III 4 hrs
   MUT 2127 Music Theory and Musicianship IV 4 hrs
   MVK 1111 Class Piano I 1 hr
   MVK 1112 Class Piano II 1 hr
   MVK 2121 Class Piano III 1 hr
   MVK 2122 Class Piano IV 1 hr
   MUN XXXX Ensembles 4 hrs
   MVX XXXX Performance 4 hrs

3. Core Requirements: Basic Level (6 hrs)
   - 1 MUS 1010 Music Forum 0 hrs
   - MUL 2141 Introduction to Music History and Literature 3 hrs
   - MUS 2360C Introduction to Music Technology 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   - MUH 3211 Music History and Literature I 3 hrs
   - MUH 3212 Music History and Literature II GEP

5. Restricted Electives (33 hrs)
   Restricted Electives-Music 15 hrs
     - Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)
     - Choose one MUT 3XXX or MUT 4XXX course 3 hrs
   Restricted Electives-Non-Music 18 hrs
     - Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

6. Capstone Requirements
   - MUS 4900 Music BA Capstone Project 3 hrs

7. Foreign Language Requirements
   Admissions
     - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
     - Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
   Electives
     - Select primarily from upper-level courses

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each Music course

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Theatre
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- 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.

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Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Example given shows a student majoring in B.A. in Music. See program description for all requirements.
- Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall 17 hrs

1 ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicanship I 4 hrs
MVK 1112 Class Piano II 3 hrs
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MUN XXXX Ensemble 1 hr
MVX 141X Performance I 2 hrs
GEP E.1. Science Foundation 3 hrs

Freshman Year - Spring 14 hrs

ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicanship II 4 hrs
MVK 1112 Class Piano II 1 hr
MUS 1010 Music Forum 0 hrs
MUN XXXX Ensemble 1 hr
Foreign Language Elementary Level I 4 hrs

Sophomore Year - Fall 16 hrs

1 SPC 1608 Fundamentals of Oral Communication 3 hrs
MUT 2126 Music Theory and Musicanship III 4 hrs
MVK 2121 Class Piano III 1 hr
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
MUS 1010 Music Forum 0 hrs
MUN XXXX Ensemble 1 hr
Foreign Language Elementary Level II 4 hrs

Sophomore Year - Spring 16 hrs

MUT 2127 Music Theory and Musicanship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
MGF 1106 Finite Mathematics 3 hrs
MUN XXXX Ensemble 1 hr
GEP B.1. Cultural & Historical Foundation 3 hrs
Foreign Language Elementary Level II 4 hrs

Junior Year - Fall 15 hrs

MUH 3211 Music History and Literature I 3 hrs
GEP B.2. Cultural & Historical Foundation 3 hrs
MUT 34XXX Music Restricted Elective 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Junior Year - Spring 15 hrs

MUH 3212 Music History and Literature II 3 hrs
Elective 3 hrs
MUH 34XXX Music Restricted Elective 3 hrs
MUH 34XXX Music Restricted Elective 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Fall 15 hrs

GEP D.1. Social Foundation 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs
MUT 34XXX Music Restricted Elective 3 hrs
GEP E.2. Science Foundation 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Spring 12 hrs

MUS 4900 Music BA Capstone Project 3 hrs
GEP D.2. Social Foundation 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceas.ucf.edu/academiclearningcompacts.html

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Jazz Studies Track (B.M.)

College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu
Email: musicaud@ucf.edu
J. Rupert, JeffRupert@ucf.edu, 407-823-5411
Kirk Gay, Kirk.Gay@ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

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 MUSIC 2360C
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0
- This review is a pre-requisite for Performance level III.

Degree Requirements

- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- 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

Take all of the following: 6 hrs

- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Required MUL 2016 Evolution of Jazz 3 hrs
Select one course from B.1 list 3 hrs
Select one course from B.1 list or B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

Math 3 hrs
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 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) (24 hrs)

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

MUT 1121  Music Theory and Musicianship I  4 hrs
MUT 1122  Music Theory and Musicianship II  4 hrs
MUT 2126  Music Theory and Musicianship III  4 hrs
MUT 2127  Music Theory and Musicianship IV  4 hrs

\[ ^{\dagger} \text{MUN 3713 Jazz Ensemble 1 hr} \]

MVK 1111  Class Piano I  1 hr
MVK 1112  Class Piano II  1 hr
MVK 2121  Class Piano III  1 hr
MVK 2122  Class Piano IV  1 hr

\[ ^{\dagger} \text{Four semesters for total 4 hrs} \]

3. Core Requirements: Basic Level (6 hrs)


\[ ^{\dagger} \text{E: Science Foundations} \]

\[ ^{\dagger} \text{MUS 2360C Introduction to Music Technology 3 hrs} \]

\[ ^{\dagger} \text{MUL 2014 Evolution of Jazz GEP} \]

4. Core Requirements: Advanced Level (54 hrs)

MUT 3170  Jazz Theory I  3 hrs
MUT 3171  Jazz Theory II  3 hrs

\[ ^{\dagger} \text{MUT 3923 Jazz Workshop 3 hrs} \]

MUS 4320  Music Business and Industry  3 hrs
MUH 4814  Jazz Styles and Analysis  3 hrs
MUS 3953  Recital Performance I  0 hrs
MUS 4954  Recital Performance II  0 hrs

\[ ^{\dagger} \text{Eight semesters} \]

Select 1:

\[ ^{\dagger} \text{MUH 3211 Music History and Literature I or 3 hrs} \]

\[ ^{\dagger} \text{MUH 3212 Music History and Literature II 3 hrs} \]

\[ ^{\dagger} \text{Four semesters for total 12 hrs} \]

Specialty Requirements (Choose one):  27 hrs

All courses are taken for two semesters each except restricted elective courses

Trumpet

MV B 1411 Trumpet I  2 hrs
MV B 2411 Trumpet II  2 hrs
MV B 3431 Trumpet III  3 hrs
MV B 4441 Trumpet IV  4 hrs
Restricted Electives  5 hrs

Trombone

MV B 1413 Trombone I  2 hrs
MV B 2423 Trombone II  2 hrs
MV B 3433 Trombone III  3 hrs
MV B 4443 Trombone IV  4 hrs
Restricted Electives  5 hrs

Saxophone

MV W 1415 Saxophone I  2 hrs
MV W 2425 Saxophone II  2 hrs
MV W 3435 Saxophone III  3 hrs
MV W 4445 Saxophone IV  4 hrs
Restricted Electives  5 hrs

Jazz Piano

MV J 1010 Jazz Piano I  2 hrs
MV J 2220 Jazz Piano II  2 hrs
MV J 3230 Jazz Piano III  3 hrs
MV J 4240 Jazz Piano IV  4 hrs
MV K 1211 Secondary Piano  1 hr
Restricted Electives  3 hrs

Jazz Bass

MV J 1214 Jazz Bass I  2 hrs
MV J 2224 Jazz Bass II  2 hrs
MV J 3234 Jazz Bass III  3 hrs
MV J 4244 Jazz Bass IV  4 hrs
MV S 1214 Secondary Bass  1 hr
Restricted Electives  3 hrs

4. Core Requirements: Advanced Level (54 hrs)

MUT 3170  Jazz Theory I  3 hrs
MUT 3171  Jazz Theory II  3 hrs

\[ ^{\dagger} \text{MUT 3923 Jazz Workshop 3 hrs} \]

MUS 4320  Music Business and Industry  3 hrs
MUH 4814  Jazz Styles and Analysis  3 hrs
MUS 3953  Recital Performance I  0 hrs
MUS 4954  Recital Performance II  0 hrs

\[ ^{\dagger} \text{Eight semesters} \]

Select 1:

\[ ^{\dagger} \text{MUH 3211 Music History and Literature I or 3 hrs} \]

\[ ^{\dagger} \text{MUH 3212 Music History and Literature II 3 hrs} \]

\[ ^{\dagger} \text{Four semesters for total 12 hrs} \]

Specialty Requirements (Choose one):  27 hrs

All courses are taken for two semesters each except restricted elective courses

Trumpet

MV B 1411 Trumpet I  2 hrs
MV B 2411 Trumpet II  2 hrs
MV B 3431 Trumpet III  3 hrs
MV B 4441 Trumpet IV  4 hrs
Restricted Electives  5 hrs

Trombone

MV B 1413 Trombone I  2 hrs
MV B 2423 Trombone II  2 hrs
MV B 3433 Trombone III  3 hrs
MV B 4443 Trombone IV  4 hrs
Restricted Electives  5 hrs

Saxophone

MV W 1415 Saxophone I  2 hrs
MV W 2425 Saxophone II  2 hrs
MV W 3435 Saxophone III  3 hrs
MV W 4445 Saxophone IV  4 hrs
Restricted Electives  5 hrs

Jazz Piano

MV J 1010 Jazz Piano I  2 hrs
MV J 2220 Jazz Piano II  2 hrs
MV J 3230 Jazz Piano III  3 hrs
MV J 4240 Jazz Piano IV  4 hrs
MV K 1211 Secondary Piano  1 hr
Restricted Electives  3 hrs

Jazz Bass

MV J 1214 Jazz Bass I  2 hrs
MV J 2224 Jazz Bass II  2 hrs
MV J 3234 Jazz Bass III  3 hrs
MV J 4244 Jazz Bass IV  4 hrs
MV S 1214 Secondary Bass  1 hr
Restricted Electives  3 hrs

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Music Education
- Music
- Theatre

Certificates

- None

Related Minors

- Music
- Theatre
- Digital Media

Advising Notes

- None

Transfer Notes

- 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

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<th>Course Title</th>
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<tr>
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<tr>
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<td>Music Theory and Musicianship I</td>
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<td>MUN 3713</td>
<td>Jazz Ensemble</td>
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<td>MVK 1111</td>
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<td>1 hr</td>
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<td>Music Forum</td>
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<td>MUT 3170</td>
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<td>MGF 1106</td>
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<td>Basic Statistics Using Microsoft Excel</td>
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<td>MUS 3953</td>
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### Program B: Jazz Piano, Guitar, Bass, Drum Set

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<td>Music Forum</td>
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<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
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<td>MVX 1XXX</td>
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### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/academiclearningcompacts.html](http://www.oecs.ucf.edu/academiclearningcompacts.html)

### Equipment Fees

- Full-Time Student: $45 per term
- Part-Time Student: $25 per term
Music - Music Composition Track (B.M.)

College of Arts and Humanities
Department of Music, Performing Art Center - Music, Room: M203
http://music.cah.ucf.edu/
Email: musiccaud@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/admissionauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

- The audition will serve as a placement examination for accepted candidates

Professional Sequence Entrance Review
- Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:
  - Approval of composition portfolio
  - Completion of Composition I and II
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

- This review is a pre-requisite for Composition level III.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Composition students must present one faculty-approved public recital.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- 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)
- 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 MUS 2312 Music History and Literature II 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.2 list 3 hrs

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

Students 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) (32 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 1111 Class Piano I 1 hr
MVK 1112 Class Piano II 1 hr
MVK 2121 Class Piano III 1 hr
MVK 2122 Class Piano IV 1 hr
MUN XXXX Major Ensemble (four semesters) Piano 4 hrs
- students take MUN 3453; guitar students take MUN 3483
MVX 141X Performance I (two semesters) 4 hrs
MVX 242X Performance II (two semesters) 4 hrs

3. Core Requirements: Basic Level (20 hrs)
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUC 1101C Composition I 2 hrs
- MUC 2104C Composition II 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUH 3212 Music History and Literature II GEP
- MUF 4571 Analysis of Twentieth-Century Music 3 hrs
- MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483) 2 hrs

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:
- MUC 3105C Composition III 3 hrs
- MUC 4106C Composition IV 4 hrs
- MUT 4401 Counterpoint 3 hrs
- MUT 4311 Orchestra 3 hrs
- MUC 4950 Composition Recital 0 hrs
- One course selected from MUC/MUH/MUS/MUT, 3000 level or above 3 hrs

- Two semesters for total 6 hrs
- Two semesters for total 8 hrs

5. Restricted Electives (9 hrs)
- Any secondary performance course not in area of major instrument, or
- Any MUC, MUE, MUG, MUH, MUM, MUN, MUO, MUS, MUX, 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 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.

120 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 Musicanship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 1 hr
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 1 hr
- Science Foundation 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 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
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUC 1101C Composition I 2 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs

Sophomore Year - Spring
- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUC 2104C Composition II 2 hrs
- 1 MGF 1106 Finite Mathematics 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural/Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs

1 (GEP C.1.)

Junior Year - Fall
- 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
- MUX 3/4XXX Restricted Electives 3 hrs
- Cultural/Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUX 3/4XXX Restricted Elective 3 hrs

Junior Year - Spring
- 1 STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- 2 MUH 3212 Music History and Literature II 3 hrs
- MUT 4311 Orchestration 3 hrs
- MUC 3105C Composition III 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MUX 3/4XXX Restricted Elective 3 hrs

1 (GEP C.2.)
2 SEP

Senior Year - Fall
- MUC 4106C Composition IV 4 hrs
- MUS 1010 Music Forum 0 hrs
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs

Senior Year - Spring
- MUC 4106C Composition IV 4 hrs
- MUT 4401 Counterpoint 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUC 4950 Composition Recital 0 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Music Performance Track (B.M.)

College of Arts and Humanities

Department of Music,
Performing Arts Center, Room: M203
http://music.cah.ucf.edu/

Email: musicaud@ucf.edu
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to
  http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
UCF Degree Programs

- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

- This review is a pre-requisite for Performance level III.

- Completion of the following courses:
  - MUS 2360C Introduction to Music Technology 3 hrs
  - MUT 2127 Music Theory and Musicanship IV 4 hrs

Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- 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:
  - Required ENC 1101 Composition I and 3 hrs
  - Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
  - Required MUH 3212 Music History and Literature II 3 hrs
  - Select one course from B.1 list 3 hrs
  - Select one course from B.2 list 3 hrs

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

- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers (3 hrs)
  - Select a course from GEP C.2 list 3 hrs

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

2. Common Program Prerequisites (CPP) (32 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- MUT 1121 Music Theory and Musicanship I 4 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MKV 1111 Class Piano I 1 hr
- MKV 1112 Class Piano II 1 hr
- MKV 2121 Class Piano III 1 hr
- MKV 2122 Class Piano IV 1 hr
- MUN XXXX Major Ensemble (four semesters) Piano 4 hrs
- students take MUN 3453; guitar students take MUN 3484

3. Core Requirements: Basic Level (6 hrs)
- MUT 2104 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
- MUK 3211 Music History and Literature I 3 hrs
- MUK 3212 Music History and Literature II GEP
- MUS 343X Performance III (2 Semesters) 6 hrs
- MUS 444X Performance IV (2 Semesters) 8 hrs
- MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3484) 2 hrs
- 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
  - MUK 4640 Piano Pedagogy I and 1 hr
  - MUN 3453 Piano Ensemble and 1 hr
  - MUN 3453 Piano Ensemble and 9 hrs
  - Electives and 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
  - Electives and 12 hrs
  - Electives and 5 hrs

- Voice 22 hrs
  - MUS 1250 IPA for Singers and 1 hr
  - MUS 3255 German and English Lyric Diction and 2 hrs
  - MUS 3254 Italian and French Lyric Diction and 2 hrs
  - MVV 4640 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
  - Electives and 8 hrs
  - Electives and 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
  - Electives and 8 hrs
  - Electives and 5 hrs

- Percussion 22 hrs
  - MUL 3463 Percussion Literature and 2 hrs
  - MUP 3630 Percussion Pedagogy and 2 hrs
  - MUN XXXX Major Ensembles and 2 hrs
  - MUN XXXX Minor Ensembles and 4 hrs
  - Electives and 7 hrs
  - Electives and 5 hrs

- Strings 22 hrs
  - MUL 4437 String Literature and Pedagogy and 3 hrs
  - MUN XXXX Major Ensembles and 2 hrs
  - MUN XXXX Minor Ensembles and 4 hrs
  - Electives and 8 hrs
  - Electives and 5 hrs

5. Restricted Electives
- 0-15 hrs
- Any MUC, MUE, MUG, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

6. Capstone Requirements
- None
7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements
- 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

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Music
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre
- Digital Media

Advising Notes
- None

Transfer Notes
- 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 B: Percussion

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Freshman</td>
<td>14 hrs</td>
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</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
<td>4 hrs</td>
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<tr>
<td>MVK 1111</td>
<td>Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVP 1411</td>
<td>Percussion I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX Major Ensemble</td>
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<tr>
<td>Freshman</td>
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<tr>
<td>ENC 1102</td>
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<td>MUT 1122</td>
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<td>MVK 1112</td>
<td>Class Piano II</td>
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<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
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</tr>
<tr>
<td>MUS 2360C</td>
<td>Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVP 1411</td>
<td>Percussion I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX Major Ensemble</td>
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### Sophomore Year - Fall

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<th>Course Name</th>
<th>Hours</th>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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<td>MUN 2126</td>
<td>Music Theory and Musicianship III</td>
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<tr>
<td>MUS 2421</td>
<td>Percussion II</td>
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<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td></td>
</tr>
<tr>
<td>MUG 3104</td>
<td>Basic Conducting</td>
<td></td>
</tr>
<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td></td>
</tr>
<tr>
<td>MVK 2121</td>
<td>Class Piano III</td>
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</tr>
<tr>
<td>MUN XXXX Major Ensemble</td>
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### Junior Year - Fall

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<tr>
<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
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<td>MUS 1010</td>
<td>Music Forum</td>
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<td>MUN XXXX Major Ensemble</td>
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### Senior Year - Fall

<table>
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<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
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### Program C: Piano

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<tr>
<th>Year</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>Freshman</td>
<td>14 hrs</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
<td>4 hrs</td>
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<tr>
<td>MUN 3453</td>
<td>Piano Ensemble</td>
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<tr>
<td>MVK 1111</td>
<td>Class Piano I</td>
<td>1 hr</td>
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<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
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<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
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<td>MVP 1411</td>
<td>Piano I</td>
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<tr>
<td>Freshman</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<td>MUT 1122</td>
<td>Music Theory and Musicianship II</td>
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<tr>
<td>MUN 3453</td>
<td>Piano Ensemble</td>
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<tr>
<td>MVK 1112</td>
<td>Class Piano II</td>
<td>1 hr</td>
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<td>MUS 1010</td>
<td>Music Forum</td>
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<tr>
<td>MUS 2360C</td>
<td>Introduction to Music Technology</td>
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<td>MVP 1411</td>
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### Sophomore Year - Fall

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<tr>
<td>SPC 1608</td>
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<td>MUN 2126</td>
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<td>MUG 3104</td>
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<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
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<td>MVK 2121</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
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### Junior Year - Fall

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<th>Course Name</th>
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<td>Introduction to Music History and Literature</td>
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<td>MUS 1010</td>
<td>Music Forum</td>
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<tbody>
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<td>Introduction to Music History and Literature</td>
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### Program D: Guitar

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<tr>
<th>Year</th>
<th>Fall</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Freshman</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
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<tr>
<td>MUN 3453</td>
<td>Guitar Ensemble</td>
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<tr>
<td>MVK 1111</td>
<td>Class Piano I</td>
<td>1 hr</td>
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<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
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### Sophomore Year - Fall

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<td>MUG 3104</td>
<td>Basic Conducting</td>
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<td>MUN XXXX Major Ensemble</td>
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<td>MUL 2014</td>
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### Senior Year - Fall

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<tbody>
<tr>
<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
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</table>

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### Undergraduate Catalog 2015-2016

**UNIVERSITY OF CENTRAL FLORIDA**

270
### Freshman Year - Spring
17 hrs
- **ENC 1102** Composition II 3 hrs
- **MUT 1122** Music Theory and Musicianship II 4 hrs
- **MUN 3487** Guitar Ensemble 1 hr
- **MVS 1416** Guitar I 2 hrs
- **MVK 1112** Class Piano II 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUS 2300C** Introduction to Music Technology 3 hrs
- **Science Foundation** 3 hrs

### Sophomore Year - Fall
16 hrs
- **SPC 1608** Fundamentals of Oral Communication 3 hrs
- **MUT 2126** Music Theory and Musicianship III 4 hrs
- **MUN 3487** Guitar Ensemble 1 hr
- **MVS 2426** Guitar II 2 hrs
- **MVK 2121** Class Piano IV 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **STA 1063C** Basic Statistics Using Microsoft Excel 3 hrs

### Sophomore Year - Spring
14 hrs
- **MUT 2127** Music Theory and Musicianship IV 4 hrs
- **MUN 3487** Guitar Ensemble 1 hr
- **MVS 2426** Guitar II 2 hrs
- **MVK 2122** Class Piano IV 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **Cultural & Historical Foundation** 3 hrs
- **Professional Sequence Entrance Review**

### Junior Year - Fall
19 hrs
- **MUH 3211** Music History and Literature I 3 hrs
- **MVS 3436** Guitar III 2 hrs
- **MUT 4571** Analysis of Twentieth-Century Music 3 hrs
- **MVS 4346** Guitar IV 4 hrs
- **Cultural & Historical Foundation** 3 hrs
- **MUX 3/4XXX Restricted Electives** 3 hrs

### Junior Year - Spring
16 hrs
- **MUH 3212** Music History and Literature II 3 hrs
- **MUL 4437** String Literature and Pedagogy 3 hrs
- **MVS 3436** Guitar III 2 hrs
- **MUN 3487** Guitar Ensemble 1 hr
- **MVV 1411** Voice I 2 hrs
- **MUS 3255** German and English Lyric Diction 2 hrs
- **MVS 4346** Guitar IV 4 hrs
- **MUX 3/4XXX Restricted Electives** 3 hrs

### Senior Year - Fall
12 hrs
- **MUS 1010** Music Forum 0 hrs
- **MVS 3436** Guitar III 1 hr
- **Cultural & Historical Foundation** 3 hrs
- **MUN XXXX Minor Ensemble** 1 hr
- **Free Elective** 2 hrs

### Senior Year - Spring
10 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUS 4953** Recital Performance I 0 hrs
- **MVS 3487** Guitar Ensemble 1 hr
- **MVV 3431** Voice III 2 hrs
- **MVV 4441** Voice IV 4 hrs
- **MUN XXXX Minor Ensemble** 1 hr

### Program E: Voice

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<td><strong>MUN XXXX Major Ensemble</strong></td>
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### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oead.ucf.edu/academiclearningcompacts.html](http://www.oead.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
UCF Degree Programs

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.Miller@ucf.edu, 407-823-4545

Admission Requirements

Admission Requirements - Music Education

- Audition. To be accepted into Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- Memorization is required for pianists and vocalists.
- Accompanists are provided for vocalists only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string, bass, or timpani for these auditions.
- The audition will serve as a placement exam for accepted candidates.
- Refer to the UCF Music Department website for specific audition requirements.
- Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.
- Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

Admission Requirements - Professional Program

- Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:
  - Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, first semester of Performance II.
  - Have a minimum overall GPA of 2.5 and a grade of “C” (2.0) or better in each performance, education, and music education course.
  - Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.
  - Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).

To be accepted into the Music Education Professional Program students must:

- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).
- Complete MVK 2122, MUT 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)

2. Common Program Prerequisites (CPP) (38 hrs)

3. Core Requirements: Basic Level (5 hrs)

4. Core Requirements: Advanced Level (28 hrs)

5. Education Rule 6A-5.5.066, Approval of Pre-service Teacher Preparation Programs, and State Board of Education Rule 6A-5.5.066, Approval of Pre-service Teacher Preparation Programs.
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  3 hrs
MUE 3942 Music Internship I  3 hrs
MUE 3333 Music Learning Theory and Assessment  3 hrs
MUE 4311 Elementary School Music Methods  2 hrs
MVX 343X Performance III (2 Semesters)  4 hrs

Education Core  12 hrs
EDG 4410 Teaching Strategies and Classroom Management and
TSL 4080 Theory and Practice of Teaching ESOL  3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools and
RED 4043 Content Reading in Kindergarten through Grade 12  3 hrs

Select 1:  3 hrs
MUE 4337 Secondary Instrumental Methods II or
MUE 4441 String Methods  3 hrs

Select 5:  5 hrs
MUE 2450 Woodwind Techniques I or  1 hr
MUE 3451 Woodwind Techniques II or  1 hr
MUE 2460 Brass Techniques or  1 hr
MUE 3461 Brass Techniques II or  1 hr
MUE 2470 Percussion Techniques or  1 hr
MUE 2471 Percussion Techniques II or  1 hr
MUE 2440 String Techniques  1 hr

Program B - Choral
MUS 1250 IPA for Singers  1 hr
MUG 3202 Choral Conducting and Materials  2 hrs
MVV 4602 Voice Pedagogy  2 hrs
MUE 4331 Secondary Choral Methods I  3 hrs
MUE 4335 Secondary Choral Methods II  3 hrs
MUE 4943 Music Internship II  12 hrs

Select 3:  3 hrs
MUE 2450 Woodwind Techniques I or  1 hr
MUE 3451 Woodwind Techniques II or  1 hr
MUE 2460 Brass Techniques or  1 hr
MUE 3461 Brass Techniques II or  1 hr
MUE 2470 Percussion Techniques or  1 hr
MUE 2471 Percussion Techniques II or  1 hr
MUE 2440 String Techniques  1 hr

Program C - Elementary School
MUE 2346 Vocal Techniques  1 hr
MUE 4393 Music and Students with Special Needs  2 hrs
MUE 3353 General Music Literature and Techniques  2 hrs
MUE 4331 Secondary Choral Methods I  3 hrs
MUE 4943 Music Internship II  12 hrs
MVX 3X02 Choral or Instrumental Conducting and  2 hrs

Select 4:  4 hrs
MUE 2450 Woodwind Techniques I or  1 hr
MUE 3451 Woodwind Techniques II or  1 hr
MUE 2460 Brass Techniques or  1 hr
MUE 3461 Brass Techniques II or  1 hr
MUE 2470 Percussion Techniques or  1 hr
MUE 2471 Percussion Techniques II or  1 hr
MUE 2440 String Techniques  1 hr

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:
■ Possess minimum overall GPA of 2.5
■ Possess minimum professional preparation GPA of 2.5

Admission to Internship II will be granted to students who meet the following requirements:
■ Completion of all admission requirements for Internship I (see above).
■ Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
■ Completion of all music methods and techniques courses.
■ Completion of all General Education and Common Program courses.

Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements
■ Note: Contact the Music Education Advisor for details.
■ Students should register to take the General Knowledge Test of the Florida Teacher Certification Examination (FTCE) before the third semester of enrollment at UCF. (See http://www.ft.nesinc.com/ for test information).
Electronic Portfolio (MUE 4791). Students will develop an electronic portfolio while enrolled in upper division education courses and Internship II (MUE 4943). 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), fulfilled by MUS 3953. Recitals are normally performed while concurrently enrolled in the second semester of Performance II.

**Music Education Forums**
- Attendance at all Music Education Forums (except during Internship I and II) is expected.

**Public School Partnerships**
- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of "C" (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following:
  - MUE 3693 Technology in Music Education 2 hrs

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

**Total Semester Hours Required**
- 134
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<td>MUH 3212 Music History and Literature II</td>
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<td>Program C - Elementary Program</td>
<td></td>
</tr>
<tr>
<td>Freshman Year - Fall</td>
<td>18 hrs</td>
</tr>
<tr>
<td>EDF 2005 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 1121 Music Theory and Musicanship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111 Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUE 2346 Vocal Techniques</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>6 hrs</td>
</tr>
<tr>
<td>MVX 141X Performance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>CMENC/Schools</td>
<td></td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshman Year - Spring</td>
<td>16 hrs</td>
</tr>
<tr>
<td>MUL 2014 Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 1122 Music Theory and Musicanship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>6 hrs</td>
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</tbody>
</table>
UCF Degree Programs

Nursing (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor

http://www.nursing.ucf.edu

Email: ucfnurse@ucf.edu

Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, Associate Dean, Undergraduate
Dr. Kelly Allred, Undergraduate Coordinator
Patricia Leli, Clinical Education 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.
- Admission to the University must also be completed 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 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

**Program Academic Learning Compacts**

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

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
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 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 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
1. Economics/Political Science 3 hrs
   - Prefer ECO 2041 American National Government 3 hrs
   - Prefer ECO 2023 Principles of Macroeconomics 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 www.nursing.ucf.edu.

Select 1:
- STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I

Select 1:
- SOW 3104 Human Behavior and the Social Environment I or
- DEP 2004C Developmental Psychology

Select 1:
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology

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 3045L Health Assessment 2 hrs
   NUR 3045L Health Assessment Lab 1 hr
   NUR 3028 Essentials of Nursing Practice 3 hrs
   NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
   NUR 3028L Essentials of Nursing Practice Lab 1 hr
   NUR 3616 Health Promotion Across the Lifespan 2 hrs
   NUR 3616L Health Promotion Across the Lifespan Lab 1 hr
   NUR 3615 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 3837 Pathology 4 hrs
   NUR 3445L Nursing Care of Families Clinical 2 hrs
   NUR 3445 Nursing Care of Families 4 hrs
   NUR 3165S 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 4945L Nursing Practice 4 hrs
   NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
   NUR 4637 Public and Community Health Nursing 3 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
UCF Degree Programs

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
- 120

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 STA 2023 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

Plan of Study

Freshman Year - Spring
- MAC 1105C College Algebra 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

Select 1:
- SYG 2000 Introduction to Sociology or 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Summer
- CHM 1032 General Chemistry 3 hrs
- Select 1: 3 hrs
  - DEP 2004C Developmental Psychology or 3 hrs
  - SOW 3104 Human Behavior and the Social Environment I
- GEP 3 hrs

Sophomore Year - Fall
- CHM 2004C Microbiology for Health Professionals 4 hrs
- PSY 2012 General Psychology 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- PCB 3703C Human Physiology 4 hrs
- GEP 3 hrs

Junior Year - Fall
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3028 Essentials of Nursing Practice 3 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 3516 Health Promotion Across the Lifespan 2 hrs
- NUR 3616L Health Promotion Across the Lifespan Clinical 1 hr
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Junior Year - Spring
- NUR 3165L Professional Nurse Seminar 1 hr

Junior Year - Summer
- NUR 3028 Essentials of Nursing Practice 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3516 Health Promotion Across the Lifespan 2 hrs
- NUR 3616L Health Promotion Across the Lifespan Clinical 1 hr
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Senior Year - Fall
- NUR 4227L Nursing Care of the Adult I. Clinical Practice 2 hrs
- NUR 4227 Nursing Care of the Adult I 4 hrs
- NUR 4227L Nursing Care of the Adult II Clinical Practice 3 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs

Senior Year - Spring
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4828L Nursing Leadership, Management and Role Transition 1 hr

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

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 - 3rd Floor

http://www.nursing.ucf.edu/

Email: ucfnurse@ucf.edu

Dr. Mary Lou Sole, Interim Dean

Dr. Maureen Covelli, Assoc. Dean Undergraduate

Dr. Stephen Heglund, Concurrent Program 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. Students must make separate application to UCF and the 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 the Concurrent A.S.N. to B.S.N. application deadline. 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 may be required for all Concurrent students prior to their registering for the final practicum course NUR 4804L.

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 and the UCF College of Nursing and be admitted to the University by UCF Undergraduate Admissions.
- An AA degree from a Florida College System or State University System institution or have met ALL UCF General Education Program requirements prior to program start.
- Met UCF Foreign Language admission requirement prior to program start.
- Completed seven out of eight Common Program Prerequisite courses for UCF and all of the ASN nursing program’s prerequisites by application 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.

UCF Degree Programs

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Preferred MAC 1105C College Algebra 3 hrs

   Select 1: (3 hrs)
   Required STA 2014C Principles of Statistics or
   Required STA 2023 Statistical Methods I 3 hrs

   D: Social Foundations (6 hrs)
   Select 1: (3 hrs)
   Preferred SYG 2000 Introduction to Sociology or
   Preferred PSY 2012 General Psychology 3 hrs

   Select 1: (3 hrs)
   Preferred ECO 2013 Principles of Macroeconomics or
   Preferred ECO 2023 Principles of Microeconomics or
   Preferred POS 2401 American National Government 3 hrs

2. Science Foundations (7 hrs)
   1 Required BSC 2010C Biology I 4 hrs
   1 Required CHM 1032 General Chemistry 3 hrs
   2 Required MCB 2040C Microbiology for Health Professionals 4 hrs
   2 CHM 1032 General Chemistry GEP
   1 or other approved science. Also meets General Education
   2 or other Physical Science

3. Core 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.
   New
   1 Required STA 2023 Statistical Methods I or
   2 STA 2014C Principles of Statistics GEP

   Select 1: (3 hrs)
   Required PSY 2012 General Psychology or
   Required SYG 2000 Introduction to Sociology or

   Select 1: (3 hrs)
   Required STA 2023 Statistical Methods I or
   Required STA 2014C Principles of Statistics GEP

   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.
   New
   1 Required BSC 2010C Biology I 4 hrs
   1 Required CHM 1032 General Chemistry 3 hrs
   2 Required MCB 2040C Microbiology for Health Professionals 4 hrs
   2 CHM 1032 General Chemistry GEP
   1 or other approved science. Also meets General Education
   2 or other Physical Science

3. Core 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.
   New
   1 Required BSC 2010C Biology I 4 hrs
   1 Required CHM 1032 General Chemistry 3 hrs
   2 Required MCB 2040C Microbiology for Health Professionals 4 hrs
   2 CHM 1032 General Chemistry GEP
   1 or other approved science. Also meets General Education
   2 or other Physical Science

4. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (57 hrs)

   Core UCF Requirements 28 hrs
   NUR 3086 Professional Socialization Seminar 1 hr
   NUR 3085 Health Assessment 2 hrs
   NUR 3085L Health Assessment Lab 1 hr
   NUR 3085 Dimensions of Professional Nursing Practice 3 hrs
   NUR 3616 Health Promotion Across the Lifespan 2 hrs
   NUR 3165 Nursing Research 3 hrs
   NUR 4637 Health Care Issues, Policy, and Economics 3 hrs
   NUR 4629 Nursing Leadership, Management and Role Transition 3 hrs
   NUR 4637 Public and Community Health Nursing 3 hrs
   NUR 4604L Practicum in Community and Public Health 4 hrs
   NUR 3125 Pathophysiology for Nursing Practice 3 hrs
UCF Degree Programs

Upper Division Credit  29 hrs

- May be met by validation
- NUR 3028  Essentials of Nursing Practice  3 hrs
- NUR 3028L  Essentials of Nursing Practice Lab  1 hr
- NUR 3765L  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  2 hrs
- NUR 3445  Nursing Care of Families  4 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  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

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Health Sciences
- Health Services Administration
- Psychology

Advising Notes

- None

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study  (31 hrs)

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/academiclearningcompacts.html

Equipment Fees

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - R.N. to B.S.N. Program (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor

http://www.nursing.ucf.edu

Email: ucfnurse@ucf.edu

Dr. Stephen Heglund, RN to BSN Coordinator
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Mary Lou Sole, Interim 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 3165 Nursing Research.
- The Foreign Language graduation requirement must be completed before enrolling in NUR 3165 Nursing Research.

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

A: Communication Foundations  (9 hrs)
B: Cultural & Historical Foundations  (9 hrs)
C: Mathematical Foundations  (6 hrs)

Select 1:  3 hrs

- Required STA 2014C  Principles of Statistics or
- Required STA 2023  Statistical Methods I  3 hrs
D: Social Foundations (6 hrs)
Select 1: 3 hrs
1 Required SYG 2000 Introduction to Sociology or
1 Required PSY 2012 General Psychology

Select 1: 3 hrs
Suggested ECO 2013 Principles of Macroeconomics or
Suggested ECO 2023 Principles of Microeconomics or
Suggested POS 2041 American National Government

1 One of these courses is required to meet General Education requirements.

E: Science Foundations (6 hrs)
Required BSC 2010C Biology I 4 hrs
1 Required CHM 1032 General Chemistry 3 hrs
1 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 a prerequisite for Nutrition (HUN 3011)

2. Common Program Prerequisites (CPP) (18 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1: 3 hrs
1 PSY 2012 General Psychology or
1 SYG 2000 Introduction to Sociology GEP
1 MCB 2004C Microbiology for Health Professionals 4 hrs
2 CHM 1032 General Chemistry GEP
2 ZOO Human Anatomy 4 hrs
3 PCB 3703C Human Physiology 4 hrs
HUN 3011 Nutrition 3 hrs

Select 1: 3 hrs
1 STA 2014C Principles of Statistics or
STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
SOW 3104 Human Behavior and the Social Environment I or
DEP 2004C Developmental Psychology 3 hrs

1 Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
2 (or other approved Science) Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
3 May take Anatomy and Physiology sequence (AP I & II) of eight total credits

3. Core Requirements: Basic Level
None

4. Core Requirements: Advanced Level (56 hrs)

UCF Core 27 hrs
NUR 3955 Dimensions of Professional Nursing 3 hrs
Practice
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 3616 Health Promotion Across the Lifespan 2 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4604L Practicum in Community and Public Health 4 hrs
NUR 4627 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice
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 3165.

Graduation
None

8. Electives
variable to meet degree requirements

9. Additional Requirements
Progression Requirements:

A criminal background check and mandatory Drug Screening may be 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 3165 Nursing Research: 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
**UCF Degree Programs**

### 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 3955 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

#### Junior Year - Spring
- NUR 3165 Nursing Research 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

#### Junior Year - Summer
- NUR 3616 Health Promotion Across the Lifespan 2 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

#### Senior Year - Fall
- NUR 4828 Nursing Leadership, Management and Role Transition
- 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 and Community Health Nursing 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

### Philosophy (B.A.)

#### College of Arts and Humanities

#### Department of Philosophy,

Psychology Building, Room: 220


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)

B: Cultural & Historical 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

C: Mathematical Foundations (6 hrs)

**Math**

- **Suggested** MGF 1106 Finite Mathematics or 3 hrs
- **Suggested** MGF 1107 Explorations in Mathematics or 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers

- Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. **Core Requirements: Basic Level**

HUM 2210 Humanistic Tradition I GEP

HUM 2230 Humanistic Tradition II GEP

PHI 2010 Introduction to Philosophy GEP

4. **Core Requirements: Advanced Level** (36 hrs)

**Core**

- **1 PHI 3083 Research Methods in Philosophy** 3 hrs
- **PHI 4938 Senior Research Seminar** 3 hrs

1 To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

### Reasoning (6 hrs)

**Select 2:**

- PHI 2011 Philosophical Reasoning or 3 hrs
- PHI 2101 Formal Logic I or 3 hrs
- PHI 2108 Critical Thinking or 3 hrs
- PHI 2847 Logic and Ethics or 3 hrs
- PHI 3131 Formal Logic II 3 hrs

### History of Philosophy (9 hrs)

**Select 2:**

- PHH 3100 Ancient Philosophy or 3 hrs
- PHH 3200 Medieval Philosophy or 3 hrs
- PHH 3460 Modern Western Philosophy 3 hrs

1 To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

### Values and Society (6 hrs)

**Select 2:**

- PHI 3070 Ethical Theory or 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
- PHM 3401 Philosophy of Law or 3 hrs
- PHI 3800 Aesthetics or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3625 Virtual Ethics or 3 hrs
- PHI 4633 Ethics and Biological Science or 3 hrs
- PHM 3100 Freedom and Justice or 3 hrs
- PHI 3840 Environmental Ethics or 3 hrs
- PHM 4031 Environmental Philosophy or 3 hrs
- PHH 3701 Native American Philosophy or 3 hrs
- PHI 3805 Contemporary Aesthetics or 3 hrs
- PHM 3020 Philosophy of Love or 3 hrs
- PHI 4673 Medical Ethics 3 hrs
- HUM 4823 Queer Theory in the Humanities 3 hrs

### Being and Knowing (6 hrs)

**Select 2:**

- 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
PHI 4782 Phenomenology or 3 hrs
PHI 4221 Philosophy of Language 3 hrs

Topics in Philosophy 3 hrs
Select 1: 3 hrs
- Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.
  PHI 4931 Philosophy in the News or 3 hrs
  PHI 4321 Philosophies of Embodiment: Mind/Body or 3 hrs
  Self or
  PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
  PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
  PHI 4904 Critical Theory or 3 hrs
  PHP 3763 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 3786 Existentialism or 3 hrs
  HUM 4330 Performance Theory or 3 hrs
  PHI 4935 Key Concepts in Philosophy or 3 hrs
  HUM 4330 Performance Theory or 3 hrs
  PHI 4931 Key Figures in Philosophy or 3 hrs

5. Restricted Electives (6 hrs)
- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a “C” (2.0) or better in each required course.
- Departmental Exit Exam in final semester, 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.
- Computer Competency met by one of the following:
  PHI 4970H Undergraduate Honors Thesis or 1 hr
  PHI 4938 Senior Research Seminar or 3 hrs
  STA 1063 Basic Statistics Using Microsoft Excel 3 hrs

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

Total Semester Hours Required
- 120

Honors In Major
- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major.
- Requirements are as follows:
  Core Requirements 36 hrs
  - Same requirements as for regular majors, but must include the following:
    PHI 2101 Formal Logic I 3 hrs
  Upper Division Restricted Electives 6 hrs
  - Same as requirement for regular majors
  Honors Thesis
  PHI 4903H Honors Directed Reading I 1 hr
  PHI 4970H Undergraduate Honors Thesis 1 hr

Additional Requirements
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain UCF GPA of at least 3.2 and a Philosophy GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a “B” (3.0) or better in both of the following courses:
  PHI 4903H Honors Directed Reading I 1 hr
  PHI 4970H Undergraduate Honors Thesis 1 hr

Related Programs
- Humanities and Cultural Studies
- Religion and Cultural Studies

Certificates
- None

Related Minors
- Cognitive Sciences
- Environmental Studies
- Humanities and Cultural Studies
- Religion and Cultural Studies
- 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

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 Traditions I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PHI 2101 Introduction to Philosophy 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
HUM 2230 Humanistic Traditions II 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
Restricted Elective 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Fall 15 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

UCF Degree Programs
UCF Degree Programs

Sophomore Year - Spring 15 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
PHI 3083 Research Methods in Philosophy 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
PHI 4938 Senior Research Seminar 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/academiclearningcompacts.html

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: 386-506-4093

(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
  1 If not already completed as part of the A.S. degree, after acceptance into the program.

  B: Cultural & Historical Foundations (9 hrs)
  - Required ARH 2051 History of Western Art II 3 hrs
  1 If not already completed as part of the A.S. degree, after acceptance into the program.

  C: Mathematical Foundations (6 hrs)
  - Required MAC 1105C College Algebra or 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.)

  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)
  1 Already included in A.S. requirements.
  2 Already included in B.S. requirements.

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 3653C Advanced Editorial Photography 3 hrs
- PGY 3751C Videography 3 hrs
- PGY 3821C Advanced Digital Photography 3 hrs
- PGY 409C Image, Culture, and Society 3 hrs
- PGY 4228C Advanced Illustrative Photography 3 hrs
- PGY 447I Photography Thesis 3 hrs
- PGY 3651C Narrative Editorial Photography CPP

Select one of the following courses:

  CRW 3011 Creative Writing for Non-Majors or
  ENC 3250 Professional Writing 3 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

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 School of Visual Arts and Design and the University.

Plan of Study

Freshman Year - Fall
Daytona State College - Photo Technology AS Degree Program

Freshman Year - Spring
Daytona State College - Photo Technology AS Degree Program

Freshman Year - Summer
Daytona State College - Photo Technology AS Degree Program

Sophomore Year - Fall
Daytona State College - Photo Technology AS Degree Program

Sophomore Year - Spring
Daytona State College - Photo Technology AS Degree Program

UCF Degree Programs

Junior Year - Fall
PGY 3205C Photographic Lighting Techniques 3 hrs
PGY 3821C Advanced Digital Photography 3 hrs
PGY 3472C Photo Visualization 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Spring
PGY 3002 Contemporary Photography 3 hrs
PGY 3651C Narrative Editorial Photography 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Summer
ENC 3250 Professional Writing 3 hrs

Senior Year - Fall
PGY 3653C Advanced Editorial Photography 3 hrs
PGY 3751C Videography 3 hrs
PGY 4003 Image, Culture, and Society 3 hrs
PGY 4228C Advanced Illustrative Photography 3 hrs

Senior Year - Spring
PGY 3276 The Professional Environment 3 hrs
PGY 4471 Photography Thesis 3 hrs
PGYRestricted Elective 3 hrs
PGYRestricted 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/academiclearningcompacts.html

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: 108B
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, telecommunication, 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 CHM 2440 or CHM 2445C.

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 photonics courses required for the major, technical elective courses, and the senior design courses.
- Students in the Photonic Science and Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Photonic Science and Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
Students in the Photonic Science and Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Photonic Science and Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Photonic Science and Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Photonic Science and Engineering major will be subject to all probation conditions that applied at the time of exclusion.

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 or
  - Suggested SPC 1603C Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)
- Select a course from Historical Foundations 3 hrs
- Select a course from Cultural Foundations 3 hrs
- Select a course from either Historical or 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
- Choose 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 postsecondary schools and may be transferred directly to UCF programs.

- MAC 2311C Calculus with Analytic Geometry I GEP 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- PHY 2049C Physics for Engineers & Scientists I GEP 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1: 4 hrs
- CHS 1440 Principles of Chemistry or
- CHM 2045C Chemistry Fundamentals I 4 hrs

A “C” (2.0) or better is required in these courses to enroll in PSE major courses.

3. Core Requirements: Basic Level (14 hrs)

Engineering Requirements 17 hrs
- EEL 3304C 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

Photonics Requirements 25 hrs
- OSE 3052 Introduction to Photonics 3 hrs
- OSE 3052L Introduction to Photonics Laboratory 1 hr
- OSE 3053 Electromagnetic Waves for Photonics 3 hrs
- 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 4830L Frontiers of Optics and Photonics 2 hrs

4. Core Requirements: Advanced Level (42 hrs)

Engineering Requirements 17 hrs
- EEL 3304C 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

Photonics Requirements 25 hrs
- OSE 3052 Introduction to Photonics 3 hrs
- OSE 3052L Introduction to Photonics Laboratory 1 hr
- OSE 3053 Electromagnetic Waves for Photonics 3 hrs
- 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 4830L Frontiers of Optics and Photonics 2 hrs

5. Restricted Electives (9 hrs)

These courses must be selected from approved upper level photonics, engineering, physics, mathematics, or other related electives. All electives must be approved by the program advisor.

6. Capstone Requirements (6 hrs)

- OSE 4951 Senior Design I 3 hrs
- OSE 4952 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
### UCF Degree Programs

**Physics (B.S.)**

**College of Sciences**

Department of Physics, Physical Sciences, Room: 430


**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.

<table>
<thead>
<tr>
<th>Admission Requirements</th>
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</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

**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.

### Sophomore Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EEL 3123C</td>
<td>Networks and Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3350</td>
<td>Semiconductor Devices I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
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</table>

### Junior Year - Fall

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSE 3052</td>
<td>Introduction to Photonics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 3052L</td>
<td>Introduction to Photonics Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>EEE 3307C</td>
<td>Electronics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 3470</td>
<td>Electromagnetic Fields</td>
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### Select 1:

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<th>Hours</th>
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<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
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<tr>
<td>EGN 3358</td>
<td>Thermo-Fluids-Heat Transfer</td>
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### Junior Year - Spring

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<thead>
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<tbody>
<tr>
<td>OSE 4410</td>
<td>Optoelectronics</td>
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</tr>
<tr>
<td>OSE 4410L</td>
<td>Optoelectronics Laboratory</td>
<td></td>
</tr>
<tr>
<td>OSE 4520</td>
<td>Laser Engineering</td>
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<td>OSE 4520L</td>
<td>Laser Engineering Laboratory</td>
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<tr>
<td>OSE 3063</td>
<td>Electromagnetic Waves for Photonics</td>
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### Senior Year - Fall

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<tbody>
<tr>
<td>OSE 4470</td>
<td>Fiber-Optic Communications</td>
<td></td>
</tr>
<tr>
<td>OSE 4470L</td>
<td>Fiber-Optic Communications Laboratory</td>
<td></td>
</tr>
<tr>
<td>OSE 4951</td>
<td>Senior Design I</td>
<td></td>
</tr>
<tr>
<td>OSE 4930</td>
<td>Frontiers of Optics and Photonics</td>
<td></td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td></td>
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<tr>
<td>Social Foundation</td>
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### Senior Year - Spring

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<th>Hours</th>
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<tbody>
<tr>
<td>OSE 4952</td>
<td>Senior Design II</td>
<td></td>
</tr>
<tr>
<td>OSE 4830</td>
<td>Imaging and Display</td>
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<tr>
<td>OSE 4830L</td>
<td>Imaging and Display Laboratory</td>
<td></td>
</tr>
<tr>
<td>Restricted Elective</td>
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<td></td>
</tr>
<tr>
<td>Historical Foundation</td>
<td></td>
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</table>

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)
Core: Required, satisfies the CPP

- or

- and

1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)

- Prefer SPC 1603C Fundamentals of Technical Presentations

Take all of the following: 6 hrs

- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II and 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

- Required MAC 2311C Calculus with Analytic Geometry I and 4 hrs
- Required COP 3502C Computer Science I and 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations

1. Physical Science; 4 hrs

- Required PHY 2048C Physics for Engineers & Scientists I and 4 hrs

2. Life sciences; 3 hrs

- Select from the E-Z. GEP list. 3 hrs

2. Common Program Prerequisites (CPP) (20 hrs)

- MAC 2311C Calculus with Analytic Geometry I and GEP
- MAC 2312 Calculus with Analytic Geometry II and 4 hrs
- MAC 2313 Calculus with Analytic Geometry III and 4 hrs

Select one of the following sequences of courses:

- CHM 2045C Chemistry Fundamentals I and 4 hrs
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB and 3 hrs

Take all of the following:

- CHM 2046 Chemistry Fundamentals II and 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
- PHY 2048C Physics for Engineers & Scientists I and GEP
- PHY 2049C Physics for Engineers and Scientists II and 4 hrs

3. Core Requirements: Basic Level (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 and CPP
- or
- CHM 2040 Chemistry Fundamentals IA and CPP
- CHM 2041 Chemistry Fundamentals IB and 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 and CPP

Core: Additional requirements

- MAP 2302 Ordinary Differential Equations I and 3 hrs
- PHY 3101 Physics for Engineers and Scientists III and 3 hrs
- PHZ 3113 Introduction to Theoretical Methods of Physics and 3 hrs
- PHY 3220 Mechanics I and 3 hrs
- PHY 3513 Thermal and Statistical Physics and 3 hrs
- PHY 3323 Electricity and Magnetism I and 3 hrs
- PHY 4324 Electricity and Magnetism II and 3 hrs
- PHY 4604 Wave Mechanics I and 3 hrs
- PHY 4605 Wave Mechanics II and 3 hrs
- PHY 4912 Directed Independent Research (in area of specialization) and 3 hrs

Laboratory Requirement 6 hrs

- PHY 3802L Intermediate Physics Laboratory and 3 hrs

And either

- PHY 3752C Physics of Scientific Instruments or 3 hrs
- PHY 3722C Physics Laboratory-Electronics and 3 hrs

4. Core Requirements: Advanced Level

- Select one specialization

4.1. General Physics Specialization 18 hrs

- PHY 4803L Advanced Physics Laboratory and 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
- EEE 5356C Fabrication of Solid-State Devices and 4 hrs

- Select 3 9 hrs

- EEE 3350 Semiconductor Devices I or 3 hrs
- EGN 3365 Structure and Properties of Materials or 3 hrs
- EMA 4413 Fundamentals of Electronic Materials or 3 hrs
- CHM 3411L Physical Chemistry Laboratory or 2 hrs
- PHZ 5405 Condensed Matter Physics or 3 hrs
- EEE 5352C Semiconductor Material and Device Characterization and 3 hrs

- Directed Electives: 6 hrs

- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.3. Optics and Lasers Specialization 18 hrs

- Select 2 6 hrs

- PHY 4424 Optics and 3 hrs
- EEL 4440 Optical Engineering or 3 hrs
- PHY 4445 Lasers or 3 hrs
- OSE 5203 Geometrical Optics and Imaging Systems or 3 hrs
- OSE 5312 Light Matter Interaction or 3 hrs
- OSE 5414 Fundamentals of Optoelectronic Devices and 3 hrs

- Directed Electives: 9 hrs

- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.4. Computational Physics Specialization 19 hrs

- 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002</td>
<td>Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>- Select one</strong></td>
<td></td>
<td><strong>3 hrs</strong></td>
</tr>
<tr>
<td>AST 4700</td>
<td>Experimental Methods in Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 4762C</td>
<td>Astronomical Data Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 5765C</td>
<td>Advanced Astronomical Data Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>- and</strong></td>
<td></td>
<td><strong>6 hrs</strong></td>
</tr>
</tbody>
</table>

Select from upper division AST courses.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

Admissions

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

Graduation

- None

### 8. Electives

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

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Students must have at least a 2.0 GPA in all courses counted toward the major.
- Students will be required to take a nationally normed test in Physics during their last semester.
- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee.

### 12. University Minimum Exit Requirements

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

### Total Semester Hours Required

- 120

### Honors In Major

- None

## Related Programs

- Mathematics - Engineering/Physics Track
- Mathematics - Applied Track
- Mathematics - Pure Track
- Electrical Engineering
- Mechanical Engineering

## Certificates

- None

## Related Minors

- Mathematics
- Physics
- Astronomy

### 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.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/math

- Although all classes are listed during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
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<tr>
<td><strong>GEP</strong></td>
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<td><strong>3 hrs</strong></td>
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### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</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>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2048</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2048L</td>
<td>Chemistry Fundamentals Laboratory</td>
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</tr>
<tr>
<td><strong>GEP</strong></td>
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### Sophomore Year - Fall

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<tbody>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers &amp; Scientists I</td>
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<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
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<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
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<td><strong>GEP</strong></td>
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### Sophomore Year - Spring

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<tr>
<td>PHY 3101</td>
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<tr>
<td>PHZ 3113</td>
<td>Introduction to Theoretical Methods of Physics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td>3 hrs</td>
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<tr>
<td><strong>GEP</strong></td>
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### Junior Year - Fall

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<th>Hours</th>
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<tbody>
<tr>
<td>PHY 3802L</td>
<td>Intermediate Physics Laboratory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3323</td>
<td>Electricity and Magnetism I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3513</td>
<td>Thermal and Statistical Physics</td>
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<tr>
<td><strong>Core Course</strong></td>
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### Junior Year - Spring

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<th>Hours</th>
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<tr>
<td>PHY 3220</td>
<td>Mechanics I</td>
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<tr>
<td>PHY 4324</td>
<td>Electricity and Magnetism II</td>
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<td><strong>3 hrs</strong></td>
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<tr>
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<td><strong>3 hrs</strong></td>
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### Senior Year - Fall

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<tr>
<td>PHY 4604</td>
<td>Wave Mechanics I</td>
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<tr>
<td>PHY 4912</td>
<td>Independent Research</td>
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<td><strong>Restricted Elective</strong></td>
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<td><strong>3 hrs</strong></td>
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<tr>
<td><strong>Restricted Elective</strong></td>
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<td><strong>3 hrs</strong></td>
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<tr>
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### Senior Year - Spring

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<thead>
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<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
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<td>PHY 4605</td>
<td>Wave Mechanics II</td>
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<td><strong>3 hrs</strong></td>
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<tr>
<td><strong>GEP</strong></td>
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<td><strong>3 hrs</strong></td>
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<tr>
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<td><strong>Free Elective</strong></td>
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<tr>
<td><strong>Physics Test-Nationally normed</strong></td>
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### 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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

#### Equipment Fees

- Part-Time Student: $12.40 per term
- Full-Time Student: $24.80 per term

#### Physics (B.A.)

**College of Sciences**

**Department of Physics, Physical Sciences, Room: 430**


**Email:** physics@ucf.edu

Dr. Talat Rahman, Chair
Dr. Elena Flitsiyan

Phone: 407-823-1156

Physics majors can select from two curricular options: BA in Physics, which gives students the flexibility to combine physics with another focus area in an interdisciplinary program, in particular Physics Education, Nanoscience and Technology, Biophysics, Information Technology/Data Science, Technical Writing; and BS in Physics, which is intended to prepare students for the study of physics or a closely related subject in graduate school. In consultation with their academic advisors, students can choose between Option I and II by the end of the sophomore year.

#### 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 sixty hours.
- AA transfer students are expected to have completed the following courses before enrolling as Physics major.

#### Core Requirements: Basic Level (24 hrs)

- Additional requirements
  - PHY 2048C Physics for Engineers & Scientists I (GEP)
  - PHY 2049C Physics for Engineers and Scientists II (4 hrs)

#### Core: Additional requirements

- PHY 3801C Physics for Engineers and Scientists III (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 4604 Wave Mechanics I (3 hrs)
- PHZ 3113 Introduction to Theoretical Methods of Physics (3 hrs)
- MAP 3302 Ordinary Differential Equations I (3 hrs)

#### Laboratory Requirements

- PHY 3802L Intermediate Physics Laboratory (3 hrs)

#### 4. Core Requirements: Advanced Level

- Select one specialization
  - 4.1 Education
    - Students in this specialization must declare and be admitted to the Science Education Minor.

#### Required:

- PHY 4012 Teaching Introductory Physics (3 hrs)
Required: 18 hrs

4.4 Information Technology / Data Science

Pre-meds are advised to take:
- COP 3223C Introduction to Programming with C 3 hrs
- COP 3302C Computer Science I 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- COP 4710 Database Systems 3 hrs
- CIS 3362 Cryptography and Information Security 3 hrs

Select 1:
- COT 3100C Introduction to Discrete Structures or 3 hrs
- MAD 2104 Foundations of Discrete Math 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Directed electives: 6 hrs
- Select 6 credits from the following, or other approved upper division computer science, mathematics or engineering:
  - The elective courses will be selected with advisor approval.
  - COP 3402 Systems Software 3 hrs
  - COP 4516C Problem Solving Techniques and Team Dynamics 3 hrs

4.5 Technical Writing

Required: 15 hrs
- ENC 3280 Technical Writing Style 3 hrs
- ENC 4290 Documentation and the Collaborative Process 3 hrs
- ENC 4291 Usability Testing for Technical Communication 3 hrs
- ENC 4218 The Visual in Technical Documentation 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Directed electives: 6 hrs
- Select 6 credits from upper division writing or communication courses:
  - The elective courses will be selected with advisor approval.
  - ENC 3455 Writing about Science and Technology 3 hrs
  - LIT 4433 Literature of Science and Technology 3 hrs
  - ENC 3314 Writing in the University 3 hrs
  - ENC 3250 Professional Writing 3 hrs
  - ENC 3351 Writing for Publication 3 hrs
  - ENC 4262 International Technical Communication 3 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 and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 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 year.
- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
UConn Degree Programs

- 30 of the last 39 hours of coursework must be completed in residency at UConn.
- A 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 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 UConn:
  - CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test – http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test – http://utc.sdes.ucf.edu/math
- Although all classes are listed during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 15 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
GEP 3 hrs

Freshman Year - Spring 15 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
Note: Lab may be taken later if seats are not available.
GEP 3 hrs

Sophomore Year - Fall 17 hrs
PHY 2048C Physics for Engineers and Scientists II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
GEP 3 hrs

Sophomore Year - Spring 15 hrs
PHY 3101 Physics for Engineers and Scientists III 3 hrs
PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
GEP 3 hrs

Bachelor of Science in Physics (B.S.)
- 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.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/academiclearningcompacts.html

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)
- Communication 3 hrs

Required ENC 1101 Composition I 3 hrs
Prefer ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- For Track 1 (American Politics) students
  - Select two courses from B.2. 6 hrs

Prefer ANH 1010 U.S. History: 1492-1877 3 hrs
Prefer ENC 1101 Composition I 3 hrs
Prefer ENC 2107 World Civilization II or
Prefer WOH 2022 World Civilization II 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 Basic Statistics Using Microsoft Excel or 3 hrs
  - Prefer STA 1063C Basic Statistics 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 D.2 list 3 hrs

E: Science Foundations (6 hrs)
- 2. Common Program Prerequisites (CPP) (3 hrs)
  - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

B. International Relations and Comparative Government Area

CPO 3034 Politics of Developing Areas or 3 hrs
CPO 3057 Contemporary Revolution and Political Violence or 3 hrs
CPO 3103 Comparative Politics or 3 hrs
CPO 3104 Politics of Western Europe or 3 hrs
CPO 3132 Canadian Studies or 3 hrs
CPO 3403 Politics of the Middle East or 3 hrs
CPO 3614 Politics of Eastern Europe or 3 hrs
CPO 4062 Comparative Judicial Process or 3 hrs
CPO 4074 Political Economy or 3 hrs
CPO 4101 Politics of the European Union or 3 hrs
CPO 4123 Government and Politics of Great Britain or 3 hrs
CPO 4303 Comparative Latin American Politics or 3 hrs
CPO 4445 Comparative Political Parties or 3 hrs
CPO 4514 Politics of East Asia or 3 hrs
CPO 4541 Chinese Politics or 3 hrs
CPO 4553 Politics of Japan or 3 hrs
CPO 4643 Government and Politics of Russia or 3 hrs
CPO 4710 Women in Comparative Politics or 3 hrs
CPO 4754 Comparative Political Institutions or 3 hrs
CPO 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
CPO 4794 Indigenous Politics and the Environment or 3 hrs
GEO 3471 World Political Geography or 3 hrs
INR 4008 Global Perspectives or 3 hrs
INR 2002 International Relations-Theory and Practice or 3 hrs
INR 3016 Global Political Issues or 3 hrs
INR 3250 Politics of Pan-Africanism or 3 hrs
INR 3253 International Politics of Africa or 3 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 4060 Causes of War or 3 hrs

Track 3: Prelaw
- Please see Political Science - Prelaw 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 3233 Public Opinion or 3 hrs
POS 3234 Protest in American Politics or 3 hrs
POS 3355 Mass Media and Politics or 3 hrs
POS 3358 Politics in Film or 3 hrs
POS 3273 Voting and Elections or 3 hrs
POS 3413 The American Presidency or 3 hrs
POS 3424 Congress and the Legislative Process or 3 hrs
POS 3443 Political Parties and Processes or 3 hrs
POS 3463 Interest Groups or 3 hrs
POS 3627 Cultural Pluralism and Law or 3 hrs
POS 3733 Designing Political Science Research or 3 hrs
POS 4030 The Politics of Sports or 3 hrs
POS 4074 Latino Politics or 3 hrs
POS 4142 Metropolitan Politics or 3 hrs
POS 4284 Political Behavior or 3 hrs
POS 4284 Judicial Process and Politics or 3 hrs
POS 4412 Presidential Campaigning or 3 hrs
POS 4603 American Constitutional Law I or 3 hrs
POS 4604 American Constitutional Law II or 3 hrs
POS 4622 Politics and Civil Rights or 3 hrs
PUP 3203 Environmental Politics or 3 hrs
PUP 3314 Minorities in American Politics or 3 hrs
PUP 3325 Women and Political Behavior or 3 hrs
PUP 4003 American Public Policy or 3 hrs
PUP 4204 Sustainability or 3 hrs
PUP 4209 Urban Environmental Policy or 3 hrs
PUP 4323 Women and Public Policy or 3 hrs
PUP 4404 Education and Politics or 3 hrs
PUP 4503 Government and Science or 3 hrs
PUP 4510 Space Policy or 3 hrs
PUP 4602 Politics of Health or 3 hrs
PUP 4744 Government and Business or 3 hrs
PUP 4931 Topics in Public Policy or 3 hrs
POS 3272 Civic Engagement or 3 hrs
POS 4244 Political Socialization or 3 hrs

B. International Relations and Comparative Government Area

CPO 3034 Politics of Developing Areas or 3 hrs
CPO 3057 Contemporary Revolution and Political Violence or 3 hrs
CPO 3103 Comparative Politics or 3 hrs
CPO 3104 Politics of Western Europe or 3 hrs
CPO 3132 Canadian Studies or 3 hrs
CPO 3403 Politics of the Middle East or 3 hrs
CPO 3614 Politics of Eastern Europe or 3 hrs
CPO 4062 Comparative Judicial Process or 3 hrs
CPO 4074 Political Economy or 3 hrs
CPO 4101 Politics of the European Union or 3 hrs
CPO 4123 Government and Politics of Great Britain or 3 hrs
CPO 4303 Comparative Latin American Politics or 3 hrs
CPO 4445 Comparative Political Parties or 3 hrs
CPO 4514 Politics of East Asia or 3 hrs
CPO 4541 Chinese Politics or 3 hrs
CPO 4553 Politics of Japan or 3 hrs
CPO 4643 Government and Politics of Russia or 3 hrs
CPO 4710 Women in Comparative Politics or 3 hrs
CPO 4754 Comparative Political Institutions or 3 hrs
CPO 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
CPO 4794 Indigenous Politics and the Environment or 3 hrs
GEO 3471 World Political Geography or 3 hrs
INR 4008 Global Perspectives or 3 hrs
INR 2002 International Relations-Theory and Practice or 3 hrs
INR 3016 Global Political Issues or 3 hrs
INR 3250 Politics of Pan-Africanism or 3 hrs
INR 3253 International Politics of Africa or 3 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 4060 Causes of War or 3 hrs
UCF Degree Programs

INR 4074 Immigration Policy or 3 hrs
INR 4075 Human Rights Policy or 3 hrs
INR 4076 Global Drug Policy or 3 hrs
INR 4084 Politics of International Terrorism or 3 hrs
INR 4085 Women, Gender, and Globalization or 3 hrs
INR 4102 American Foreign Policy or 3 hrs
INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
INR 4114 American Security Policy or 3 hrs
INR 4115 Strategic Weapons and Arms Control or 3 hrs
INR 4224 Contemporary International Politics of Asia or 3 hrs
INR 4225 The Vietnam War or 3 hrs
INR 4243 International Politics of Latin America or 3 hrs
INR 4304 Issues in International Public Policy or 3 hrs
INR 4335 Coercion in International Politics or 3 hrs
INR 4350 Global Environmental Politics or 3 hrs
INR 4351 International Environmental Law or 3 hrs
INR 4364 The Intelligence Community or 3 hrs
INR 4401 International Law or 3 hrs
INR 4404 Space Law or 3 hrs
INR 4502 International Organizations or 3 hrs
INR 4714 Politics of International Trade Policy or 3 hrs
INR 4744 Militaries in World Politics or 3 hrs
INR 4764 Cyberwarfare Policy or 3 hrs
INR 4774 Military Space Policy or 3 hrs
POS 3014 Comparative Public Policy or 3 hrs
PUP 4510 Space Policy 3 hrs

C. Political Theory Area 6 hrs
INR 4603 International Relations Theory or 3 hrs
POS 4206 Political Psychology or 3 hrs
POT 3204 American Political Thought or 3 hrs
POT 3302 Modern Political Ideologies or 3 hrs
POT 4003 Political Theory or 3 hrs
POT 4025 Ancient, Medieval and Early Modern Political Philosophy or 3 hrs
POT 4054 Modern Political Philosophy or 3 hrs
POT 4066 Contemporary Political Theory or 3 hrs
POT 4109 Politics and Literature or 3 hrs
POT 4305 The State, Society, and the Individual or 3 hrs
POT 4314 Contemporary Democratic Theory or 3 hrs
POT 4331 Utopia/Dystopia or 3 hrs
POT 4345 Pan-Africanist Thought or 3 hrs
POT 4414 Marxist Political Theory or 3 hrs
POT 4632 Religion and Politics or 3 hrs

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Met by graduation requirement
   Graduation
   ■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
   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 a 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
    ■ Complete the Educational Testing Service Field Exam in Political Science during the student’s 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
■ 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.
■ 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.

Related Programs
■ Economics
■ History
■ Diplomacy

Related Minors
■ 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
■ The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  ■ POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  ■ POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study
■ This is one of numerous possible plans of study.

See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
■ Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/math/
■ 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
POS 2041 American National Government 3 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
GEP-Math 3 hrs
GEP 3 hrs
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.

### Sophomore Year - Fall
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- GEP: 3 hrs
- Free Elective: 3 hrs
- Foreign Language: 4 hrs

### Sophomore Year - Spring
- POS 3703: Scope and Methods of Political Science: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Foreign Language: 4 hrs
- GEP: 3 hrs

### Junior Year - Fall
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Free Elective: 3 hrs
- Free Elective: 3 hrs

### Junior Year - Spring
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Free Elective: 3 hrs
- Free Elective: 3 hrs

### Senior Year - Fall
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Free Elective: 3 hrs
- Free Elective: 3 hrs

### Senior Year - Spring
- Free Elective: 3 hrs
- Free Elective: 3 hrs
- Free Elective: 3 hrs
- Free Elective: 3 hrs
- Free Elective: 1 hr

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

### 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. Roger Handberg
Phone: 407-823-2608

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.
- 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 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
- 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
- Prefer 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 EUH 2001 Western Civilization II or WOH 2022 World Civilization II: 3 hrs
- Select two courses from B 2: 6 hrs

**C: Mathematical Foundations (6 hrs)**
- Prefer MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics: 3 hrs
- May substitute a higher level math with appropriate scores on the Math Placement Test.

**Math:**
- 3 hrs

**D: Social Foundations (6 hrs)**
- Required POS 2041 American National Government: 3 hrs

**Political Science:**
- 3 hrs

**Social Science:**
- Select one of the listed courses: 3 hrs

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP) (3 hrs)**
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the following courses:
  - 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
UCF Degree Programs

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.

PO 3703 Scope and Methods of Political Science 3 hrs
PO 4164 Judicial Process and Politics 3 hrs

5. Restricted Electives (27 hrs)
Select from the following courses: 3 hrs
PO 4803 American Constitutional Law I or 3 hrs
PO 4804 American Constitutional Law II or 3 hrs
INR 4401 International Law 3 hrs

And, select one of the following options: 24 hrs
Five courses from area A and 15 hrs
Two courses from area B and 6 hrs
One course from area C 3 hrs

OR 24 hrs
Two courses from area A and 6 hrs
Five courses from area B and 15 hrs
One course from area C 3 hrs

Areas of Specialization
A. American Politics and Policy Area
PO 3122 State Government and Public Policy or 3 hrs
PO 3173 Southern Politics or 3 hrs
PO 3162 Florida Politics or 3 hrs
PO 3233 Public Opinion or 3 hrs
PO 3234 Protest in American Politics or 3 hrs
PO 3272 Civic Engagement or 3 hrs
PO 3235 Mass Media and Politics or 3 hrs
PO 3258 Politics in Film or 3 hrs
PO 3273 Voting and Elections or 3 hrs
PO 3413 The American Presidency or 3 hrs
PO 3424 Congress and the Legislative Process or 3 hrs
PO 3443 Political Parties and Processes or 3 hrs
PO 3463 Interest Groups or 3 hrs
PO 3627 Cultural Pluralism and Law or 3 hrs
PO 3733 Designing Political Science Research or 3 hrs
PO 4030 The Politics of Sports or 3 hrs
PO 4074 Latino Politics or 3 hrs
PO 4142 Metropolitan Politics or 3 hrs
PO 4204 Political Behavior or 3 hrs
PO 4244 Political Socialization or 3 hrs
PO 4284 Judicial Process and Politics or 3 hrs
PO 4412 Presidential Campaigning or 3 hrs
PO 4803 American Constitutional Law I or 3 hrs
PO 4804 American Constitutional Law II or 3 hrs
PO 4822 Politics and Civil Rights or 3 hrs
PUR 3203 Environmental Politics or 3 hrs
PUR 3314 Minorities in American Politics or 3 hrs
PUR 3325 Women and Political Behavior or 3 hrs
PUR 4003 American Public Policy or 3 hrs
PUR 3204 Sustainability or 3 hrs
PUR 4209 Urban Environmental Policy or 3 hrs
PUR 4323 Women and Public Policy or 3 hrs
PUR 4404 Education and Politics or 3 hrs
PUR 4503 Government and Science or 3 hrs
PUR 4510 Space Policy or 3 hrs
PUR 4602 Politics of Health or 3 hrs
PUR 4744 Government and Business or 3 hrs
PUR 4951 Topics in Public Policy 3 hrs

B. International Relations and Comparative Government Area
CPO 3034 Politics of Developing Areas or 3 hrs
CPO 3103 Comparative Politics or 3 hrs
CPO 3104 Politics of Western Europe or 3 hrs
CPO 3132 Canadian Studies or 3 hrs
CPO 3403 Politics of the Middle East or 3 hrs
CPO 3614 Politics of Eastern Europe or 3 hrs
CPO 4062 Comparative Judicial Process or 3 hrs
CPO 4074 Political Economy or 3 hrs
CPO 4101 Politics of the European Union or 3 hrs
CPO 4123 Government and Politics of Great Britain or 3 hrs
CPO 4303 Comparative Latin American Politics or 3 hrs
CPO 4445 Comparative Political Parties or 3 hrs
CPO 4514 Politics of East Asia or 3 hrs
CPO 4541 Chinese Politics or 3 hrs
CPO 4553 Politics of Japan or 3 hrs
CPO 4643 Government and Politics of Russia or 3 hrs
CPO 4710 Women in Comparative Politics or 3 hrs
CPO 4754 Comparative Political Institutions or 3 hrs
CPO 4784 Political and Economic Inequality in 3 hrs
Comparative Perspective or
CPO 4794 Indigenous Politics and the Environment or 3 hrs
GEO 3471 World Political Geography or 3 hrs
INR 4008 Global Perspectives or 3 hrs
INR 2002 International Relations-Theory and Practice or

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.
UCF Degree Programs

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 3 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
  - MTH 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
- Complete the Educational Testing Service Field Exam in Political Science during the student’s 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
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs
- Economics
- History
- Philosophy
- Legal Studies
- Criminal Justice

Certificates
- Diplomacy

Related Minors
- Business
- Criminal Justice
- Diplomacy
- Economics
- English - Creative Writing
- English - Technical Communication
- History
- Human Communication
- Legal Studies
- Mass Communication
- Philosophy
- Public Administration
- Sociology
- 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
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/math/

- 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
- POS 2041 American National Government 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- GEP-Math 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs

Freshman Year - Spring 15 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 16 hrs
- Restricted Elective 3 hrs
- Foreign Language 4 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 16 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- POS 4284 Judicial Process and Politics 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
UCF Degree Programs

Senior Year - Spring 13 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oelas.ucf.edu/academiclearningcompacts.html

Psychology (B.S.)
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psychology.cos.ucf.edu
Email: psychadvising@ucf.edu
Psychology Advising Center, PSY 250, 407-823-2219

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department
- Students must earn at least a “C” (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses
- Co-op or internship credit cannot be used in this major without prior approval
- Students should consult with the Psychology Advising Center, prior to applying for graduation (before registration for the final term).
- Graduating seniors should complete the senior exit survey
- Additional requirements exist for students pursuing the Honors in the major program.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
- Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36.
- See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Math: 3 hrs
- 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: 3 hrs
Required PSY 2012 General Psychology 3 hrs

Political Science/Economics 3 hrs
Select one of the listed choices 3 hrs

E: Science Foundations (6 hrs)
Biology: 3 hrs
- 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: 3 hrs
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 course if additional biology courses are planned.
  BSC 1005 Biological Principles or 3 hrs
  BSC 2010C Biology I GEP

Statistics:
STA 2014C Principles of Statistics or GEP
STA 2023 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 3 hrs
BSC 2010C Biology I GEP

Statistics:
STA 2014C Principles of Statistics or GEP
STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (18 hrs)

A. Experimental: Select from the following: 6 hrs
EXP 3040C Basic Learning Processes or 3 hrs
EXP 3040C Perception or 4 hrs
EXP 3064C Cognitive Psychology or 4 hrs
PSB 4240C Neuropsychology or 4 hrs
PSY 4215C Advanced Research Methods in Psychology or 4 hrs
EXP 3640 Psychology of Language 3 hrs

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
CSP 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 3764 Psychology of Diversity 3 hrs
E. Applied: Select from the following: 
- CLP 3302 Clinical Psychology or 3 hrs
- EXP 3250 Principles of Human Factors Psychology or 3 hrs
- INP 3004 Industrial/Organizational Psychology 3 hrs

F. Psychology Electives 9 hrs
- Select 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
- 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 2013C College Physics I or 4 hrs
  - CHM 1020 Concepts in Chemistry or 3 hrs
  - COP 3223C Introduction to Programming with C or 3 hrs
  - COP 3502C Computer Science I or 3 hrs
  - COP 3503H Honors Computer Science II or 3 hrs
  - MAC 2233 Concepts of Calculus or 3 hrs
  - MAC 2253 Applied Calculus or 3 hrs
  - PCB 3063 Genetics or 3 hrs
  - BSC 2011C Biology II or 4 hrs
  - STA 4102 Computer Processing of Statistical Data or 3 hrs
  - STA 4163 Statistical Methods II or 3 hrs
  - STA 4164 Statistical Methods III or 3 hrs
  - BSC 1050 Biology and Environment or 3 hrs
  - MAC 2253 Applied Calculus or 3 hrs
  - STA 4150 Experimental Design or 3 hrs
  - STA 4164 Statistical Methods III or 3 hrs
  - PSA 4150 Research Methods in Psychology or 3 hrs
  - STA 4164 Statistical Methods III or 3 hrs
  - STA 4150 Experimental Design or 3 hrs
  - STA 4164 Statistical Methods III or 3 hrs
  - STA 4150 Research Methods in Psychology or 3 hrs
  - STA 4164 Statistical Methods III or 3 hrs
  - STA 4150 Experimental Design or 3 hrs

6. Capstone Requirements
- PSY 4049 Psychology Capstone 1 hr

7. Foreign Language Requirements
- Met by graduation requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 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 15 hrs
- PSY 2012 General Psychology 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- GEP 3 hrs
UFC Degree Programs

Freshman Year - Spring 15 hrs
- Biology 3 hrs
- Statistics 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- Psychology Cornerstone 2 hrs

Sophomore Year - Fall 16 hrs
- DEP 2004C Developmental Psychology 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Spring 15 hrs
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall 16 hrs
- PSB 3002 Physiological Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
- PSY 3213C Research Methods in Psychology 5 hrs
- Elective / Minor 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 13 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Psychology Capstone 1 hr
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
- PSY 4604 History and Systems of Psychology 3 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

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

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 and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin/
Dr. Michael Abels, michael.abels@ucf.edu
Phone: 407-823-2604

The School of Public Administration provides the highest quality undergraduate education for students interested in working in the public and private sectors, as well as, nonprofit organizations. The school strives to achieve local, state and national prominence through contemporary curriculum, innovative instruction, scholarly and applied research, and community service. Programs and services develop and enhance management skills essential to public and nonprofit organizations oriented towards an evolving metropolitan environment. The school offers an undergraduate program leading to a Bachelor of Arts (BA) or a Bachelor of Science (BS) in Public Administration. The program provides opportunities for students to prepare for employment as public administrators and produces graduates with the public management skills and analytical techniques needed for successful careers in government, nonprofit and related business fields.

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 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.
- Students must earn a 2.5 GPA in the major (all PAD Courses) in order to graduate.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transition Services section

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (24 hrs)
   - All core requirements must be completed with a minimum major GPA of (2.5) to satisfy the major.

   PAD 3003 Public Administration in American Society 3 hrs
   PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
   PAD 4034 The Administration of Public Policy 3 hrs
   PAD 4104 Administrative Theory 3 hrs
   PAD 4204 Fiscal Management 3 hrs
   PAD 4414 Human Resource Administration 3 hrs
   PAD 4720 Survey Research in Public Administration 3 hrs
   PAD 4941 Public Administration Internship 3 hrs

5. Restricted Electives (24 hrs)
   - Required Minor or Certificate in the School of 18 hrs
     Public Administration
     - Students must complete a minor or certificate from the School of Public Administration offered at UCF. Choose from: Emergency Management and Homeland Security; Nonprofit Management or the Certificate in Nonprofit Management; and Urban and Regional Planning. Excluding the minor in Public Administration. The minor cannot overlap with any other major requirement, PAD Core or BS required course.

Supporting Upper-Division Electives 6 hrs
- Students pursuing the B.A. degree must complete six upper-level credits. These courses may be taken from the School of Public Administration or outside the School of Public Administration, as long as the prerequisites have been met.
Students pursuing the B.S. degree must complete six upper-level credits. These courses must be selected from the approved list of courses provided by the School of Public Administration.

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 two semesters or one year at the college level, beyond University requirement. ASL I, II, and III can also be used to fulfill this requirement.

8. Electives
- Students are encouraged to select courses as electives or other courses that will enhance their background in the public administration field. These may be used to build minors and certificates offered by the University. Examples include: Business, Criminal Justice, Diplomacy, Economics, Environmental Studies, Florida Studies, Global Peace and Security Studies, Health Services Administration, Leadership Studies, Legal Studies, Political Science, and Terrorism Studies.
- The University requires 48 upper-level credits in order to graduate, students choosing the Nonprofit Management minor with the Generalist Emphasis may need to take additional upper-level electives to satisfy the University requirement.

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor or certificate from the School of Public Administration offered at UCF. Choose from: Emergency Management and Homeland Security; Nonprofit Management or the Certificate in Nonprofit Management; and Urban and Regional Planning. Excluding the minor in Public Administration. The minor cannot overlap with any other major requirement, PAD Core or BS required course.

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).
- Students must earn a 2.5 GPA in the major in order to graduate.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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
- Admission: Applications to the Honors in the Major program must be approved by the Associate Dean of the Honors College and a Faculty Advisor in the School of Public Administration.

Related Programs
- Business Administration
- Criminal Justice
- Economics
- Health Services Administration
- Legal Studies
- Management
- Political Science
- Social Work

Certificates
- None

Related Minors
- Business
- Criminal Justice
- Diplomacy
- Economics
- Entrepreneurship
- Environmental Studies
- Florida Studies
- Health Services Administration
- International and Global Studies
- Leadership Studies
- Legal Studies
- Political Science
- Terrorism Studies

Advising Notes
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.

Transfer Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements and the common program prerequisites.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be formally evaluated for equivalency credit. The student must provide a course syllabus and any additional supporting documentation with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for the School of Public Administration programs include American National Government (POS2041), Macroeconomics (ECO2013), Microeconomics (ECO2023), Statistics (STA2014 or STA2023), and Introduction to Computer (CGS1000, CGS1060, or CGS2100).
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the Public Administration 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
- This is one of numerous possible plans of study.
- Although all classes are listed as being taken during the academic year, you may take classes during the summer semester.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- GCS 1060C Introduction to Computers 3 hrs
- POS 2041 American National Government 3 hrs
- Free Elective 3 hrs
- GEP Cultural 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Communication 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs
**UCF Degree Programs**

**Sophomore Year - Fall**  
- STA 2014C  Principles of Statistics  
- ECO 2013  Principles of Macroeconomics  
- Free Elective  
- GEP Historical  
- GEP Science  
- 15 hrs

**Sophomore Year - Spring**  
- PAD 3003  Public Administration in American Society  
- PAD 3733  Professional Administrative Writing in the Public Sector  
- Free Elective  
- GEP Historical  
- GEP Science  
- 15 hrs

**Junior Year - Fall**  
- PAD 4104  Administrative Theory  
- PAD 4414  Human Resource Administration  
- PAD Required Minor Course  
- Free Elective  
- 15 hrs

**Junior Year - Spring**  
- PAD 4034  The Administration of Public Policy  
- PAD 4720  Survey Research in Public Administration  
- PAD Required Minor Course  
- Free Elective  
- 15 hrs

**Senior Year - Fall**  
- PAD 4941  Public Administration Internship  
- PAD Required Minor Course  
- Supporting Upper-Division Elective  
- Free Elective  
- 15 hrs

**Senior Year - Spring**  
- PAD 4204  Fiscal Management  
- PAD Required Minor Course  
- Free Elective  
- 15 hrs

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

**Radio - Television (B.A.)**

**College of Sciences**

Nicholson School of Communication, NSC, Room: 143  
http://communication.cos.ucf.edu/  
Email: radiotv@ucf.edu  
Dr. Tim Brown, Area Coordinator, timbrown@ucf.edu  
Nicholson Academic Student Services, nassc@ucf.edu  
Phone: 407-823-2681

**Admission Requirements**  
- The Radio-Television program is a limited access program that requires a separate application.  
- Students should apply to become Radio-Television majors only after completing all requirements for admission.  
- Students should be enrolled in the College of Sciences.  
- Students should not be enrolled in or complete, RTV 3007 with at least a “C” (2.0) or better (if in progress at the time of admission, students who do not earn a “C” (2.0) or better will be removed from the program).

- Meet a grammar proficiency standard (“B” (3.0) grades or better in the following courses or pass the grammar proficiency exam).
  - ENC 1101  Composition I  
  - ENC 1102  Composition II  
  - 3 hrs each

**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**  
- Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.  
- Students who change degree programs (other than from Radio-TV Pending) and select this major must adopt the most current catalog.  
- Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor’s approval.  
- Internship credit may be used in this major with prior school permission.  
- Co-op credit may be used in this major with prior approval from an R-TV advisor.  
- Students must consult with a school advisor.  
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.  
- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.  
- Of these 80 hours, 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 internships 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  
     - Required ENC 1102  Composition II  
     - Select 1:  
      - Required SPC 1608  Fundamentals of Oral Communication or SPC 1603C  Fundamentals of Technical Presentations  
      - 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     - Select two courses from GEP B2  
     - 6 hrs
   - C: Mathematical Foundations (6 hrs)
     - Math:  
     - 3 hrs

**University of Central Florida**

302  Undergraduate Catalog 2015-2016
Select from the following: 12 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 4103 Radio-Television Advertising or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3015 Principles of Journalism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3330 Computer Mediated Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 4263 New Media Technologies or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3601C Broadcast Announcing and Performance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3590C Production of Interactive Multimedia or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4561C Radio Production and Programming or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4700 Regulation of Broadcasting or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 May be taken for a maximum of 3 hours.

B. Broadcast Generalist 18 hrs

Select from the following: 12 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 4103 Radio-Television Advertising or</td>
<td>3 hrs</td>
</tr>
<tr>
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<td>3 hrs</td>
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<tr>
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<tr>
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<tr>
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<tr>
<td>RTV 3590C Production of Interactive Multimedia or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4561C Radio Production and Programming or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4700 Regulation of Broadcasting or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 May be taken for a maximum of 3 hours.
### UCF Degree Programs

- **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
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Foreign Language 4 hrs

#### Sophomore Year - Fall
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

#### Sophomore Year - Spring
- Apply for admission by Feb 1
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-outside of NSC 3 hrs
- Elective-minor 3 hrs

#### Junior Year - Fall
- If admitted, take...
- RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 2100 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
- 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

#### Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs
- Elective-outside of NSC 3 hrs

#### Senior Year - Spring
- Restricted Elective, or
- Elective-Outside of NSC 4 hrs
- Elective-Minor 3 hrs
- Elective-outside of NSC 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/academiclearningcompacts.html](http://www.o eas.ucf.edu/academiclearningcompacts.html)

#### 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**

**Business Administration I, Room: 427**


**Phone:** 407-823-3575

The study of real estate prepares students for careers in commercial & residential real estate development and sales. 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, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of “C” (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in real estate must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours 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.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
Students in the Real Estate major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Real Estate major and/or College of Business. A student who is dismissed may seek readmission to the major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted. Students majoring in Real Estate must earn a grade of "C" (2.0) or better in the following course and each course applied towards the major:

FIN 3403 Business Finance 3 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
- Required MAC 1105C College Algebra

D: Social Foundations (6 hrs)

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

Select 1:
- Suggested ANT 2000 General Anthropology or 3 hrs
- Suggested PSY 2012 General Psychology or 3 hrs
- Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

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 3 hrs
- 1 MAC 2233 Concepts of Calculus and
- STA 2023 Statistical Methods I 3 hrs
- 1 Or MAC 2311C and MAC 2312

3. Core Requirements: Basic Level (37 hrs)

None

4. Core Requirements: Advanced Level (37 hrs)

Primary Core 15 hrs
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

Secondary Core 13 hrs
- GEB 3004 Career Research & Planning 1 hr
- GEB 3005 Career Search Strategy 1 hr
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4004 Executing Your Career Plan 1 hr

5. Restricted Electives (18 hrs)

Select 5:
- 1 FIN 3414 Intermediate Corporate Finance 3 hrs
- 1 FIN 3303 Financial Markets 3 hrs
- 1 FIN 3504 Investment Analysis 3 hrs
- 1 MAR 3391 Professional Selling 3 hrs
- 1 REE 3614 Environmental Issues for Real Estate 3 hrs
- 1 REE 4103 Real Estate Appraisal and Valuation 3 hrs
- 1 REE 4203 Commercial Real Estate Finance 3 hrs
- 1 REE 4204 Residential Real Estate Finance 3 hrs
- 1 REE 4303 Real Estate Investment Analysis 3 hrs
- 1 REE 4732 Real Estate Development 3 hrs
- 1 RE 4941 Internship 1 hr
- 2 REE 4903H Honors Directed Readings I 1 hr
- 3 REE 4970H Undergraduate Honors Thesis 1 hr
- 3 REE 4933 Advanced Topics in Real Estate 3 hrs

1 Restricted to students who meet finance major admission qualifications.
2 Internship course requires an overall GPA of 2.75 and a 3.0 GPA in the major.
3 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.

Business Elective (3 hrs)
- Any upper level business course 3 hrs

6. Capstone Requirements (3 hrs)

- An approved Intent to Graduate must be on file in order to register for MAN 4720.
- MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements

10. Required Minors
- None

11. Departmental Exit Requirements

- A minimum major GPA of 2.0 and a minimum College of Business 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
- 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, and at least two semesters remaining prior to graduation.

- Admission: Application for admission to the Honors in the Major program must be approved by both the Director of the Dr. Phillips School of Real Estate and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.
UCF Degree Programs

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
REÉ 4903H Honors Directed Readings I 1 hr

Required Honors Thesis 3 hrs
REÉ 4970H Undergraduate Honors Thesis 1 hr

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, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take ECO 3401.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. 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 a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
ECO 2013 Principles of Microeconomics 3 hrs
MAC 1105C College Algebra 3 hrs
Cultural Foundation I 3 hrs
Elective 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Social Foundation 3 hrs
Elective 3 hrs
Elective 3 hrs

Sophomore Year - Fall 15 hrs
ACG 2021 Principles of Managerial Accounting 3 hrs
SPOC 1608 Fundamentals of Oral Communication 3 hrs
Historical Foundation I 3 hrs
Science 3 hrs
Elective 3 hrs

Sophomore Year - Spring 15 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
CS 2100C Computer Fundamentals for Business 3 hrs
Historical Foundation II 3 hrs
Science 3 hrs

Junior Year - Fall 14 hrs
ACG 3173 Accounting for Decision-Makers 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
MAN 3203 Management of Organizations 3 hrs
MAR 3203 Marketing 3 hrs
FIN 3403 Business Finance 3 hrs
GBS 3003 Career Research & Planning 1 hr

Junior Year - Spring 15 hrs
GBS 3375 Introduction to International Business 3 hrs
GEB 3043 Fundamentals of Real Estate 3 hrs
GEB 3343 Real Estate Law 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
GBS 3005 Career Search Strategy 1 hr
Free Elective 2 hrs

Senior Year - Fall 16 hrs
REE Elective 3 hrs
REE Elective 3 hrs
REE Elective 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
Business Elective 3 hrs
GBS 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring 13 hrs
MAN 4720 Strategic Management 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
REE Elective 3 hrs
REE Elective 3 hrs
REE Elective 3 hrs
GBS 4004 Executing Your Career Plan 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $25.00 per term
- Full-Time Student: $50.00 per term

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 DiBenedetto, sabatino.dibenedetto@ucf.edu
Phone: 407-923-2273

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.
Cultural Studies 3 hrs

Asian and Indigenous Traditions 3 hrs

Traditions 9 hrs

4. Core Requirements: Advanced Level (24 hrs)

Abrahamic Traditions 9 hrs

Must select at least one in each category

JST 3401 Jewish People in Antiquity 3 hrs
REL 3343 Judaism 3 hrs
REL 4832 Jewish Traditions 3 hrs

Asian and Indigenous Traditions 3 hrs

Must select one in each category

ANT 3245 Native American Religions 3 hrs
REL 3340 Buddhist Thought 3 hrs
REL 3333 Hinduism 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 3 hrs
PHI 3700 Philosophy of Religion 3 hrs
PHI 3720 Faith and Reason 3 hrs
REL 4936 Key Figures in Religion and Cultural Studies 3 hrs
REL 4496 Key Concepts in Religion and Cultural Studies 3 hrs

Cultural Studies 3 hrs

HUM 3805 Critical Theory in the Humanities 3 hrs
HUM 3326 Theories of Sex and Gender in Humanities 3 hrs
HUM 4459 American Cultural Studies in Humanities 3 hrs
HUM 4823 Queer Theory in the Humanities 3 hrs

HUM 4826 Postcolonial Theory 3 hrs
PHI 3600 Contemporary Philosophy 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
REL 4178 Religion and Law 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 4970H Undergraduate Honors Thesis 3 hrs
REL 4910 Senior Research Seminar 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors in Major

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 36 hrs

Same requirement as for regular majors
### Honors Thesis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 4903H</td>
<td>Honors Directed Readings I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 4970H</td>
<td>Undergraduate Honors Thesis</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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
  - REL 4970H Undergraduate Honors Thesis

### Related Programs

- Interdisciplinary Studies
- Philosophy
- Humanities and Cultural Studies

### Certificates

- None

### Related Minors

- Humanities and Cultural Studies
- Judaic Studies
- 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

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
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<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1108</td>
<td>Finite Mathematics</td>
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<td>REL 2300</td>
<td>World Religions</td>
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<td>SPN 1120C</td>
<td>Elementary Spanish Language and Civilization I</td>
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#### Freshman Year - Spring

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<th>Title</th>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>SPN 1121C</td>
<td>Elementary Spanish Language and Civilization II</td>
<td>4 hrs</td>
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#### Sophomore Year - Fall

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>REL 2000</td>
<td>Introduction to Religious Studies</td>
<td>3 hrs</td>
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#### Sophomore Year - Spring

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#### Junior Year - Fall

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<th>Course</th>
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#### Junior Year - Spring

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<tr>
<th>Course</th>
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<tr>
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<td>Restricted Elective</td>
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#### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
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#### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 4910</td>
<td>Senior Research Seminar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Restricted 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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Restaurant and Foodservice Management (B.S.)

#### Rosen College of Hospitality Management

#### Department of Foodservices and Lodging Management

9907 Universal Boulevard, Orlando, FL 32819

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

#### Email: hospitality@mail.ucf.edu

Dr. Joe Hutchinson, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

### Admission Requirements

- None

### Degree Requirements

- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a "C" (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. UCF General Education Program (GEP)

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>(9 hrs)</td>
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</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
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<td>C: Mathematical Foundations</td>
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<td></td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
<td></td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>(6 hrs)</td>
<td></td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites (CPP)

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 2221C</td>
<td>Techniques of Food Preparation</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 See “Common Prerequisites” in the Transfer and Transitions section (pg. 46) for more information.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Core Requirements: Basic Level

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>GEP</td>
</tr>
<tr>
<td>Select 1:</td>
<td>Computer Fundamentals for Business or Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

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**UNIVERSITY OF CENTRAL FLORIDA**

308 Undergraduate Catalog 2015-2016
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned 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.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

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
- ENC 1101 Composition I 3 hrs
- MAC 1100C College Algebra 3 hrs
- Cult/His. Foundations I 3 hrs

Select 1:
- 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1100C College Algebra 3 hrs
- Cult/His. Foundations II 3 hrs

Select 1:
- 3 hrs

Sophomore Year - Fall
- HFT 2220 Hospitality Human Resources Management 3 hrs
- Science Foundations I 3 hrs
- Free Electives 5 hrs

Select 1:
- 3 hrs

Sophomore Year - Spring
- HFT 2220 Hospitality Human Resources Management 3 hrs
- Science Foundations II 3 hrs
- Cult/His. Foundations III 3 hrs
- Free Electives 3 hrs

UCF Degree Programs

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Junior Year - Fall 16 hrs
HFT 3431 Hospitality industry Managerial Accounting 3 hrs
HFT 3540 Guest Services Management I 3 hrs
FSS 3124 Supply and Procurement Management 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
HFT 3263 Restaurant Management 3 hrs
HFT 3940 Internship I 1 hr

Junior Year - Spring 16 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 3813 Foodservice Marketing, Sales, and Distribution 3 hrs
HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
HFT 2843 Sanitation in the Food Service Industry 3 hrs
HFT 4941 Internship II 1 hr
Restaurant Restricted Elective 3 hrs

Senior Year - Fall 13 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4861C Beverage Management 3 hrs
HFT 4944 Internship III 1 hr
Restaurant Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
Restaurant Restricted Electives 9 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/academiclearningcompacts.html

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/
Dr. Janet Andreassen, ED123Q, janet.andreassen@ucf.edu

The Science Education - Biology B.S. program offers students the option of two tracks: Science Education- Biology Track and Science Education - Biology Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment outside of formal K-12 schools that do not require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside of formal K-12 schools that do not require certification.

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.
- 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.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

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.
- The Education Track 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)
- General Education Program elective from section B1 to meet Gordon Rule Requirement

Select 1:
- Prefer MUL 2010 Enjoyment of Music or 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

Select 1:
- 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 PSC 1121 Physical Science 3 hrs
- Required BSC 2010C Biology I 4 hrs

1 A grade of “C” (1.75) is required.

2. Common Program Prerequisites (CPP) (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
- BSC 2010C Biology I GEP
- MAC 2311C Calculus with Analytic Geometry I GEP
- BSC 211C Biology II GEP
- CHM 2045C Chemistry Fundamentals I GEP
- CHM 2046 Chemistry Fundamentals II GEP
- CHM 2046L 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)
- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours
- Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in this section with the permission of the department.
- Students should consult with advisor regarding course options

- BSC 2010C Biology I GEP
- BSC 211C Biology II CPP
- CHM 2045C Chemistry Fundamentals I CPP
- PSC 1121 Physical Science GEP
Education Track 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track 6 hrs
MHS 2330 Career Planning 3 hrs

Select 1: 4 hrs
EDF 2130 Child and Adolescent Development for Educators or EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (55 hrs)
- Education Track requires 58 semester hours
- Lifelong Learning Track requires 55 semester hours

Education Core Requirements 18 hrs
- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements

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

Lifelong Learning Track
SCE 4361 Programs in Teaching Science 3 hrs

Education Track 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 I Block 7 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 General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexper/

Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066. SCE 4941 Internship 12 hrs

Lifelong Learning Track Specialization 34 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

PCB 3044 Principles of Ecology 3 hrs
PCB 3044L Principles of Ecology Laboratory 1 hr
MCB 3020C General Microbiology 5 hrs
PCB 3703C Human Physiology 4 hrs
ZOO 3733C Human Anatomy 4 hrs
PCB 3063 Genetics 3 hrs
PCB 3063L Genetics Laboratory 1 hr
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 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
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None
**Education Track** 3 hrs  

**Freshman Year - Summer** 6 hrs  

**Select 1:**  

**Freshman Year - Spring** 15 hrs  

**Select 1:**  

**Freshman Year - Fall** 12 hrs  

**Plan of Study (120 hrs)**  

- **Acceptable Substitutes for Transfer Courses**  
- **Advising Notes**  
- **Related Minors**  
- **Certificates**  
- **Transfer Notes**  
- **None**  
- **Total Semester Hours Required**  
- **Education Track**  
- **Lifelong Learning Track**  
- **Sophomore Year - Fall** 15 hrs  
  - **BSC 2010C** Biology I 4 hrs  
  - **CHM 2045C** Chemistry Fundamentals I 4 hrs  
  - **MAC 2311** 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  
  - **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  
  - **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  
- **Education Track** 4 hrs  
  - **PCB 3044** Principles of Ecology and PCB 3044L Principles of Ecology Laboratory 1 hr  
- **Select one of the following sequences of courses:**  
  - **PCB 3063** Genetics and PCB 3063L Genetics Laboratory 1 hr  
  - **or**  
    - **PCB 3703C** Human Physiology 4 hrs  
    - **or**  
      - **ZOO 3733C** Human Anatomy 4 hrs  
- **Lifelong Learning Track** 8 hrs  
  - **Choose Lifelong Learning Specialization courses** 8 hrs  
- **Junior Year - Spring** 13 hrs  
  - **SCE 4361** Programs in Teaching Science 3 hrs  
- **Education Track** 10 hrs  
  - **MCB 3020C** General Microbiology and CHM 2205 Introduction to Organic and Biochemistry 5 hrs  
- **Lifelong Learning Track** 10 hrs  
  - **MHS 2330** Career Planning and **Choose Lifelong Learning Specialization courses** 7 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  
  - **EEX 4242** Teaching Exceptional Students in Secondary Settings 3 hrs  
- **Education Track** 7 hrs  
  - **SCE 4360** Science Instructional Analysis and SCE 3940 Internship 3 hrs  
- **Lifelong Learning Track** 7 hrs  
  - **Choose Lifelong Learning Specialization courses** 7 hrs  
- **Senior Year - Spring** 12 hrs  
- **Education Track** 12 hrs  
  - **SCM 4941** Internship 12 hrs  
- **Lifelong Learning Track** 12 hrs  
  - **Choose Lifelong Learning Specialization courses** 12 hrs  
- **Program Academic Learning Compacts**  
  - **Program Academic Learning Compacts (student learning outcomes)** for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)
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/
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Science Education Chemistry B.S. program offers students the option of two tracks: Science Education - Chemistry Track and Science Education - Chemistry Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

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.
- 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.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for courses.
- 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.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066.

1. UCF General Education Program (GEP) (37 hrs)
   - Note: Students are advised to take the preferred courses.
   - A: Communication Foundations (9 hrs)
     Required ENC 1101 Composition I 3 hrs
     Required ENC 1102 Composition II 3 hrs
     Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     General Education Program elective from section B1 to meet Gordon Rule Requirement 3 hrs
   - Select 1: 3 hrs
     Prefer MUL 2010 Enjoyment of Music or 3 hrs
     Prefer THE 2000 Theatre Survey or 3 hrs
     Prefer PHI 2010 Introduction to Philosophy 3 hrs
     General Education Program elective: Prefer a second course from GEP section B1
   - C: Mathematical Foundations (6 hrs)
     Required MAC 1144 College Trigonometry 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

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

3. Core Requirements: Basic Level (4 hrs)
   - Education Track requires 4 semester hours
   - Lifelong Learning Track requires 7 semester hours
   - Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in this section with the permission of the department.
   - CHM 2045C Chemistry Fundamentals I CPP
   - CHM 2046 Chemistry Fundamentals II CPP
   - MAC 1114C College Trigonometry CPP

Education Track: 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track: 6 hrs
MHS 2330 Career Planning 3 hrs

Select 1: 3 hrs
EDF 2130 Child and Adolescent Development for Educators or 3 hrs
EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (55 hrs)
   - Education Track requires 58 semester hours
   - Lifelong Learning Track requires 56 semester hours

Education Core Requirements: 18 hrs
- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements
   - 1 EDF 4467 Learning Theory and Assessment 3 hrs
     EDF 4003 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
     1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Education Track Specialization Requirements: 21 hrs
- CHM 2046 Chemistry Fundamentals II CPP
- CHM 2046L Chemistry Fundamentals Laboratory CPP
- PHY 2053C College Physics I CPP
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

1 Pre-requisite for Internship I (Education Track)
UCF Degree Programs

INTERNSHIP I Block 7 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 General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexps/
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 3940 Internship 3 hrs

INTERNSHIP II 12 hrs
- At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Chemistry 6-12)] of the Florida Teacher Certification Examination (FTCE) are required 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 Florida Educator Accomplished Practices. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.
- SCE 4941 Internship 12 hrs

Lifelong Learning Track Specialization 34 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

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
- 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

UNIVERSITY OF CENTRAL FLORIDA
### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- **Recommended Four Year Sequence of Courses**
- **(120 hrs)**

#### Freshman Year - Fall
- **13 hrs**
  - GE1 1000: Elective 3 hrs
  - ENC 1101: Composition I 3 hrs
  - PSY 1121: General Psychology 3 hrs
  - PSC 1121L: Physical Science Lab 1 hr
  - SOC 2005: General Sociology 3 hrs

#### Freshman Year - Summer
- **6 hrs**
  - Select 1:
    - MUL 2010: Enjoyment of Music or 3 hrs
    - THE 2000: Theatre Survey or 3 hrs
    - PHI 2010: Introduction to Philosophy 3 hrs
  - Select 2:
    - STA 2014C: Principles of Statistics or 3 hrs
    - STA 1063C: Basic Statistics Using Microsoft Excel 3 hrs

#### Sophomore Year - Fall
- **14 hrs**
  - EDF 2005: Introduction to the Teaching Profession 3 hrs
  - BSC 2010C: Biology I 4 hrs
  - CHM 2045C: Chemistry Fundamentals I 3 hrs
  - SPC 1608: Fundamentals of Oral Communication 3 hrs

#### Sophomore Year - Spring
- **13 hrs**
  - CHM 2046: Chemistry Fundamentals II 3 hrs
  - CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
  - EDF 2085: Introduction to Diversity for Educators 3 hrs
  - EME 2040: Introduction to Technology for Educators 3 hrs

#### Education Track
- **3 hrs**
  - EDF 2130: Child and Adolescent Development for Educators 3 hrs

#### Lifelong Learning Track
- **3 hrs**
  - SCE 4340: Content Reading in Kindergarten through Grade 12 3 hrs
  - SCE 4360: Teaching Exceptional Students in Secondary Settings 3 hrs

#### Junior Year - Fall
- **16 hrs**
  - EDF 4410: Teaching Strategies and Classroom Management 3 hrs
  - EEX 4242: Teaching Exceptional Students in Secondary Settings 3 hrs
  - EDF 2130: Child and Adolescent Development for Educators 3 hrs
  - EDP 2270: Adult Development & Learning 3 hrs
  - CHM 2211: Organic Chemistry II and 3 hrs
  - CHM 2211L: Organic Laboratory Techniques I and 2 hrs
  - CHS 301: Introduction to Forensic Science 3 hrs

#### Junior Year - Spring
- **14 hrs**
  - RED 4043: Content Reading in Kindergarten through Grade 12 3 hrs
  - SCE 4361: Programs in Teaching Science 3 hrs

#### Education Track
- **7 hrs**
  - CHM 2210: Organic Chemistry I and 3 hrs
  - CHM 3120: Analytical Chemistry and 3 hrs
  - CHM 3120L: Analytical Chemistry Laboratory 1 hr

#### Lifelong Learning Track
- **7 hrs**
  - Choose Lifelong Learning Specialization courses 7 hrs

#### Senior Year - Fall
- **13 hrs**
  - EDF 4503: Analysis and Application of Ethical, Legal, and Safety Issues in Schools 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.o eas.ucf.edu/academiclearningcompacts.html](http://www.o eas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- **Full-Time Student: $24 per term**
- **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


**Dr. Janet Andreaesen, ED 123Q, Janet.Andreaesen@ucf.edu**

The Science Education- Physics B.S. program offers students the option of two tracks: Science Education - Physics Track and Science Education - Physics Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment in formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

#### 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.
- 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
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

#### 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
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066.

Degree requirement are subject to change based on state mandates.
UCF Degree Programs

1. UCF General Education Program (GEP) (38 hrs)
   - Students are advised to take the preferred courses.

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

B: Cultural & Historical Foundations (9 hrs)
   - General Education Program elective from section B1 to meet Gordon Rule Requirement
   - Select 1: Prefer MUL 2010 Enjoyment of Music or 3 hrs
     Prefer THE 2000 Theatre Survey or 3 hrs
     Prefer PHI 2010 Introduction to Philosophy 3 hrs
   - General Education Program elective: Prefer a second course from GEP section B1

C: Mathematical Foundations (7 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I 4 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 (7 hrs)
   - 1 Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

Select 1: 3 hrs
   - 2 Prefer ANT 2511 The Human Species or 3 hrs
   - 1 Prefer BSC 1005 Biological Principles 3 hrs

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

2. Common Program Prerequisites (CPP) (29 hrs)
   - See “Common Prerequisites” in the Transfer and Transition Services section for more information.
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 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
   - PHY 2049C Physics for Engineers & Scientists II GEP
   - PHY 2049C Physics for Engineers & Scientists II 4 hrs
   - CHM 2045C Chemistry Fundamentals I 4 hrs
   - CHM 2046 Chemistry Fundamentals II 3 hrs
   - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   - 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

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

3. Core Requirements: Basic Level (3 hrs)
   - Education Track requires 3 semester hours
   - Lifelong Learning Track requires 6 semester hours
   - PHY 2049C Physics for Engineers & Scientists II GEP
   - MAC 2311C Calculus with Analytic Geometry I GEP

Education Track (3 hrs)
   - 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track (6 hrs)
   - MHS 2330 Career Planning 3 hrs

Select 1: 3 hrs
   - EDF 2130 Child and Adolescent Development for Educators or 3 hrs
   - EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (47 hrs)
   - Education Track requires 50 semester hours
   - Lifelong Learning Track requires 47 semester hours

Education Core Requirements (18 hrs)
   - Education Track requires 18 semester hours of Education Core Requirements
   - Lifelong Learning Track requires 21 semester hours of Education Core Requirements

   1 EDF 4467 Learning Theory and Assessment 3 hrs
   2 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   3 EDG 4410 Teaching Strategies and Classroom Management 3 hrs
   4 EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
   5 RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
   6 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Lifelong Learning Track (3 hrs)
   - SCE 4361 Programs in Teaching Science 3 hrs

1 Pre-requisite for Internship I (Education Track)

Education Track Specialization Requirements (13 hrs)
   - CHM 2045C Chemistry Fundamentals I CPP
   - CHM 2046 Chemistry Fundamentals II CPP
   - CHM 2046L Chemistry Fundamentals Laboratory CPP
   - MAC 2312 Calculus with Analytic Geometry II CPP
   - MAC 2313 Calculus with Analytic Geometry III CPP
   - PHY 2049C Physics for Engineers and Scientists II CPP
   - PHY 3101 Physics for Engineers and Scientists III 3 hrs
   - SCE 4361 Programs in Teaching Science 3 hrs
   - Elective: 3000 or 4000 level PHY or PHZ prefix 4 hrs

Select 1: 3 hrs
   - PHY 3752C Physics of Scientific Instruments or 3 hrs
   - PHY 3722C Physics Laboratory-Electronics 3 hrs

Internship I Block (7 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 General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

   - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalxp/
   - SCE 3460 Science Instructional Analysis 4 hrs
   - SCE 3940 Internship 3 hrs

Internship II (12 hrs)
   - At least 80% of all required physics courses and all methods courses must be completed with a letter grade of “C“ (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
   - Passing scores on all sections [General Knowledge, Professional, and Subject Area (Physics 6-12) of the Florida Teacher Certification Examination (FTCE) is required prior to entry into Internship II.

UNIVERSITY OF CENTRAL FLORIDA 316 Undergraduate Catalog 2015-2016
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.

Lifelong Learning Track Specialization 26 hrs

Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.

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

Must have a total of 48 or more hours of upper level courses to graduate.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PHY 3101</td>
<td>Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
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<tr>
<td>PHY 3752C</td>
<td>Physics of Scientific Instruments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3722C</td>
<td>Physics Laboratory-Electronics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4941</td>
<td>Directed Field Experience</td>
<td>1 hr</td>
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<tr>
<td>EDG 4948</td>
<td>Service Learning</td>
<td>3 hrs</td>
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<tr>
<td>DIG 3525</td>
<td>Digital Media Production I</td>
<td>3 hrs</td>
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<tr>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3 hrs</td>
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<tr>
<td>DIG 2030C</td>
<td>Digital Video Fundamentals</td>
<td>3 hrs</td>
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<td>DIG 2109C</td>
<td>Digital Imaging Fundamentals</td>
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<td>DIG 2500C</td>
<td>Fundamentals of Interactive Design</td>
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<td>DIG 3811</td>
<td>User-Centered Design</td>
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<tr>
<td>DEP 2004C</td>
<td>Developmental Psychology</td>
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<td>DEP 3202</td>
<td>Psychology of Exceptional Children</td>
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<td>DEP 3464</td>
<td>Psychology of Aging</td>
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<tr>
<td>EXP 3604C</td>
<td>Cognitive Psychology</td>
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<td>EXP 3250</td>
<td>Principles of Human Factors Psychology</td>
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<td>EAB 3703C</td>
<td>Principles of Behavior Modification</td>
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<td>MAN 3025</td>
<td>Management of Organizations</td>
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<td>MAN 4101</td>
<td>Human Relations in Management</td>
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<td>MAR 3023</td>
<td>Marketing</td>
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<td>Curriculum Development Techniques for Industry</td>
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<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
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<tr>
<td>HFT 2750</td>
<td>The Event Industry</td>
<td>3 hrs</td>
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<tr>
<td>HFT 2798</td>
<td>Fairs and Festivals</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations</td>
<td>3 hrs</td>
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</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.

Education Track

Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GEP B1 Elective</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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<td>Select 1:</td>
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<td>3 hrs</td>
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<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
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<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
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Freshman Year - Spring

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>GEP B3 Elective (Select course from section B1)</td>
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<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Enjoyment of Music or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2000</td>
<td>Theatre Survey or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
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Freshman Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
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<tr>
<td>EDF 2006</td>
<td>Introduction to the Teaching Profession</td>
<td>3 hrs</td>
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Sophomore Year - Fall

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<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
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<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
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<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
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<tr>
<td>Select 1:</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>Biological Principles</td>
<td>3 hrs</td>
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Sophomore Year - Spring

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<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
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<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
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<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
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</table>
Education Track

EDF 2130  Child and Adolescent Development for Educators  3 hrs
EDF 2130  Child and Adolescent Development for Educators or EDP 2270  Adult Development & Learning  3 hrs

Sophomore Year - Summer

CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr

Junior Year - Fall

EDP 4470  Learning Theory and Assessment  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

Education Track

EDP 4270  Adult Development & Learning  3 hrs

Senior Year - Fall

PHY or PHZ 3000 or 4000 level elective  4 hrs

Phylogenetic Learning Track

MHS 2330  Career Planning and 3 hrs
Choose Lifelong Learning Specialization course  1 hr

Senior Year - Fall

EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs

Education Track

SCE 4360  Science Instructional Analysis  4 hrs
SCE 3940  Internship  3 hrs

Select 1:

PHYS 3752C  Physics of Scientific Instruments or 3 hrs
PHYS 3722C  Physics Laboratory-Electronics  3 hrs

LifeLong Learning Track

Choose LifeLong Learning Specialization courses  10 hrs

Senior Year - Fall

EDF 4941  Internship  12 hrs

Education Track

SCE 4941  Internship  12 hrs

LifeLong Learning Track

Choose LifeLong Learning Specialization courses  12 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

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 Andreason, ED 123Q, Janet.Andreason@ucf.edu

The Social Science Education B.S. program offers students the option of two tracks: Social Science Education - Education Track and Social Science Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

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.
- 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.
- Have a minimum 2.5 overall GPA.
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

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.
- The Education Track 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 EUH 2000  Western Civilization I  3 hrs

Select 1:

- Prefer MUL 2010  Enjoyment of Music or 3 hrs
- Prefer THA 2000  Theatre Survey or 3 hrs
- Prefer PHI 2010  Introduction to Philosophy  3 hrs

Select 1:

- Suggested MGF 1106  Finite Mathematics or 3 hrs
- Suggested MGF 1107  Explorations in Mathematics  3 hrs

C: Mathematical Foundations  (6 hrs)

Select 1:

- Prefer STA 1063  Basic Statistics Using Microsoft Excel or  3 hrs
- Prefer STA 2014  Principles of Statistics  3 hrs

Select 1:

- Suggested MGF 1106  Finite Mathematics or 3 hrs
- Suggested MGF 1107  Explorations in Mathematics  3 hrs

D: Social Foundations  (6 hrs)

Required POS 2041  American National Government  3 hrs
Required PSY 2012  General Psychology  3 hrs
UCF Degree Programs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- Prefer ANT 2511 The Human Species or 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (12 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
- EMS 2040 Introduction to Technology for Educators 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

Select 1: 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

3. Core Requirements: Basic Level (9 hrs)
- Education Track requires 9 semester hours
- Lifelong Learning Track requires 12 semester hours

Education Track 9 hrs
- Student should consult advisor regarding course options
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Lifelong Learning Track 12 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ECO 2303 Career Planning 3 hrs
- MHS 2330 Career Planning 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (63 hrs)
- Education Track requires 66 semester hours
- Lifelong Learning Track requires 63 semester hours

Education Core Requirements 18 hrs
- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements

Select 1:
- EDF 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

Lifelong Learning Track
- SSE 4936 Programs in Teaching Social Science 3 hrs

Internship I Block 6 hrs
- Prior to Internship I, the student must have completed EDF 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of “C" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- 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.
- 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/

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 scores on all sections [General Knowledge, Professional, and Subject Area (Social Science 6-12)] of the Florida Teacher Certification Examination (FTCE) are required 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-5.066.

Lifelong Learning Track Specialization 42 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C"(1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX) 3 hrs
Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX) 3 hrs
Upper Division American History Elective (AMH prefix courses 3/4XXX) 3 hrs
Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX) 6 hrs

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UCF Degree Programs

DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3758 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs

5. Restricted Electives
   None

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   None

   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.

Education Track
   Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    80 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF.
    A 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
BSC 1005 Biological Principles 3 hrs

Freshman Year - Summer
6 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
MUL 2010 Enjoyment of Music or
THE 2000 Theatre Survey or
PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall
15 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
PSC 1121 Physical Science 3 hrs
SYG 2000 Introduction to Sociology 3 hrs

Select 1: 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel or
STA 2014C Principles of Statistics 3 hrs

Sophomore Year - Spring
12 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Education Track
6 hrs
ECO 2023 Principles of Microeconomics and
EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track
3 hrs
MHS 2330 Career Planning 3 hrs

Select 1: 3 hrs
EDF 2130 Child and Adolescent Development for Educators or
EDP 2270 Adult Development & Learning 3 hrs

Sophomore Year - Summer
9 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Education Track
6 hrs
EUH 2000 Western Civilization I and
Upper Division Political Science Elective (CPO, INR, POS 3400X) 3 hrs

Lifelong Learning Track
6 hrs
Choose Lifelong Learning Specialization courses 3 hrs

Junior Year - Fall
15 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
SSE 4936 Programs in Teaching Social Science 3 hrs

Education Track
6 hrs
EUH 2001 Western Civilization II and
Upper Division Non-Western History Elective (AFH, ASH, LAH 34XXX) 3 hrs

Lifelong Learning Track
6 hrs
Choose Lifelong Learning Specialization courses 3 hrs

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Junior Year - Spring 12 hrs
RED 4043  Content Reading in Kindergarten through Grade 12 3 hrs

Education Track 9 hrs
GEO 3471  World Political Geography and 3 hrs
SSE 3940  Internship and 3 hrs
SSE 4361  Social Science Instructional Analysis 3 hrs

Lifelong Learning Track 9 hrs
Choose Lifelong Learning Specialization courses 9 hrs

Senior Year - Fall 15 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EEX 4242  Teaching Exceptional Students in Secondary Settings 3 hrs

Education Track 9 hrs
Upper Division American History Elective (AMH 3/4XXX) 3 hrs
Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, LAH or POS 3/4XXX) 6 hrs

Lifelong Learning Track 9 hrs
Choose Lifelong Learning Specialization courses 9 hrs

Senior Year - Spring 12 hrs
SSE 4941  Internship 12 hrs

Lifelong Learning Track 12 hrs
Choose Lifelong Learning Specialization courses

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Social Sciences (B.S.)
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
Email: sociology@ucf.edu
Dr. Lin Huff-Corzine, Lin.Huff-Corzine@ucf.edu
Phone: 407-823-3744

Students majoring in the Social Sciences Interdisciplinary B.S. program are provided with interdisciplinary breadth and depth in the Social Sciences as they fulfill the requirements of three separate social science minors of their choice, a statistics course, and a methodology course. The Social Science minors are housed in Sociology, Psychology, Political Science, Communication, and Anthropology. This major supports UCF’s goal of offering the best undergraduate education available in Florida with flexibility that is absent in most discipline-specific programs.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.
- Grades below “C” (2.0) in lower level courses are not accepted.
- Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.
- Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Sociology Department prior to enrollment.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Required ENC 1101  Composition I 3 hrs
Required ENC 1102  Composition II 3 hrs

Complete one of the following: 3 hrs
1 Suggested SPC 1608  Fundamentals of Oral Communication or 3 hrs
Suggested SPC 1603C  Fundamentals of Technical Presentations or
Prefer COM 1000  Introduction to Communication 3 hrs

1 Required if Communication option of the major is to be followed.
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Statistics:
Required STA 2014C  Principles of Statistics or 3 hrs
Required STA 2023  Statistical Methods I 3 hrs

Math: 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Test.
- Prefer MGF 1107  Explorations in Mathematics or 3 hrs
- Suggested MGF 1106  Finite Mathematics 3 hrs

D: Social Foundations (6 hrs)
Select the following course: 3 hrs
Required POS 2041  American National Government 3 hrs

Select one of the following, depending on the 3 hrs 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.
- Required POS 4041  American National Government 3 hrs

Select one of the following Statistics courses:
STA 2014C  Principles of Statistics or GEP 3 hrs
STA 2023  Statistical Methods I GEP

Select at least three of the following, depending on concentrations to be taken:
- Required ANT 2000  General Anthropology or GEP
- Required PSY 2012  General Psychology or GEP
- Required SYG 2000  Introduction to Sociology GEP

4. Core Requirements: Advanced Level (57 hrs)
Select one methods’ course: 3 hrs
- Required POS 3703  Scope and Methods of Political Science or GEP 3 hrs
- Required PSY 3213C  Research Methods in Psychology or GEP 5 hrs
- Required SYA 4303C  Research Methods or GEP 4 hrs
- Required COM 3311  Communication Research Methods GEP 3 hrs

Required Minors:
- Complete the requirements for 3 Social Science minors dealing with the following areas:

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UCF Degree Programs

- Only one minor may be selected from the same department or school.
  - Anthropology 18 hrs
  - Communication 18 hrs
  - Political Science 18 hrs
  - Psychology 25 hrs
  - Sociology 18 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- Students will be required to take a standardized exit exam in their graduating semester.

7. Foreign Language Requirements
Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- After meeting with a departmental advisor, select electives primarily from upper level courses to satisfy the 48 hour rule. Courses may be outside the areas.

9. Additional Requirements
- None

10. Required Minors
- Three minors are to be selected from the following listing:
  - However only one minor may be taken within a single department or school.
  - Anthropology
  - Anthropology in Multicultural Studies
  - Crime, Law, and Deviance
  - Diplomacy
  - Diversity and Social Inequality
  - European Studies
  - 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
  - Global Peace and Security Studies
  - Terrorism Studies
  - Women's Studies

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in each Social Science discipline.
- A minimum grade of "C" (2.0) in all core courses is required.
- Students will be required to take a standardized exit exam in their graduating semester.

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

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Anthropology
- 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. 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/math/

Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- Foreign Language 4 hrs
- GEP- Math 3 hrs
- GEP 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 13 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
- GEP 3 hrs

Junior Year - Fall 15 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
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)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

Select 1:
- Required STA 2014C Principles of Statistics or
- Required STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)
- Required POS 2041 American National Government
- Required PSY 2012 General Psychology

E: Science Foundations (6 hrs)
- Required BSC 1005 Biological Principles

2. Common Program Prerequisites (CPP) (6 hrs)
   - See Transfer Notes
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - POS 2041 American National Government
   - BSC 1005 Biological Principles
   - PSY 2012 General Psychology

Select 1:
- Required STA 2023 Statistical Methods I

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (45 hrs)
   - SOW 3284 Social Work Perspectives on Social Justice
   - SOW 3104 Human Behavior and the Social Environment I
   - SOW 3300 Practice I: Generalist Practice in Social Work
   - SOW 3111 Human Behavior and the Social Environment II
   - SOW 3352 Practice II: Interpersonal Skills in Social Work
   - SOW 3401 Social Work Research
   - SOW 3620 Culturally Competent Social Work Practice
   - SOW 4730 Documentation in Social Work Practice
   - SOW 4232 Social Welfare Policies and Issues
   - SOW 4341 Micro-Level Roles and Interventions in Social Work
   - SOW 4343 Macro-Level Roles and Interventions in Social Work
   - SOW 4522 Field Education Seminar
   - SOW 4510 Field Education

Required Principles of Statistics (3 hrs)
- STA 2014C Principles of Statistics
- STA 2023 Statistical Methods I

Cultural Diversity Requirement (6 hrs)
- Choose two of the following suggested courses
  - ANT 4332 People and Cultures of Latin America
  - ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts
  - ANT 3610 Language and Culture
  - ASH 4404 Modern China
  - ASH 4442 Modern Japan
  - CPO 4303 Comparative Latin American Politics

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html

Social Work (B.S.W.)

College of Health and Public Affairs
School of Social Work,
Health and Public Affairs I, Room: 204
http://www.cohpa.ucf.edu/social/
Email: socialwk@ucf.edu
Dr. Bonnie Yegidis, 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 completed with a “C” (2.0) in each course (see Section 2 below for list of courses).
- This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program.
- Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

Degree Requirements
- Students who are pending Social Work and are admitted to the program must adopt the most current catalog.
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work.
- Students should complete the General Education Program and the Common Program Prerequisite Requirements before beginning the Social Work Program.
5. Restricted Electives (6 hrs)

- Select six hours in consultation with faculty advisor.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Graduation
- Cultural Diversity Requirement

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum overall GPA of 2.5 in all social work courses with a minimum grade of "C" (2.0) or higher in each social work course.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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 COHHA 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

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- POS 2041: may use POS X042 or PUP X099
- BSC 2005: may use BSC X085, BSC X010, or PCB X099
- PSY 2012: may use PSY X020
- SYG 2000: may use SYG X010

Plan of Study

Freshman Year - Fall 14 hrs
- ENC 1101: Composition I 3 hrs
- BSC 1005: Biological Principles 3 hrs
- GEP Math 3 hrs
- PAF 2102: Public Affairs Careers 2 hrs

Select 1: 3 hrs
- 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: 3 hrs
- PSY 2012: General Psychology 3 hrs
- SYG 2000: Introduction to Sociology 3 hrs
- GEP Cultural 3 hrs

Sophomore Year - Fall 15 hrs
- GEP Communication 3 hrs
- GEP Historical 3 hrs
- SOW 2020: Careers in Creating Social Change 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
- Free Elective 3 hrs
- Free Elective 3 hrs
- GEP Science 3 hrs
- GEP Historical 3 hrs
- Foreign Language II or Cultural Diversity 3 hrs

Sophomore Year - Summer 6 hrs

Select 1: 3 hrs
- SOW 3104: Human Behavior and the Social Environment I or 3 hrs
- SOW 3300: Practice I/Generalist Practice in Social Work or 3 hrs
- SOW 3620: Culturally Competent Social Work Practice 3 hrs
- SOW Elective 3 hrs

Junior Year - Fall 15 hrs
- SOW 3284: Social Work Perspectives on Social Justice 3 hrs
- SOW 3104: Human Behavior and the Social Environment I or 3 hrs
- SOW 3300: Practice I/Generalist Practice in Social Work 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

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## Junior Year - Spring
- SOW 3111 Human Behavior and the Social Environment II (3 hrs)
- SOW 3352 Practice II: Interpersonal Skills in Social Work (3 hrs)
- SOW 3401 Social Work Research (3 hrs)
- SOW 3620 Culturally Competent Social Work Practice (3 hrs)
- Free Elective (3 hrs)

## Junior Year - Summer
- SOW 3620 Culturally Competent Social Work Practice (3 hrs)
- SOW 4343 Macro-Level Roles and Interventions in Social Work (3 hrs)
- SOW Elective (3 hrs)

## Senior Year - Fall
- SOW 4232 Social Welfare Policies and Issues (3 hrs)
- SOW 4341 Micro-Level Roles and Interventions in Social Work (3 hrs)
- SOW 4343 Macro-Level Roles and Interventions in Social Work (3 hrs)
- SOW 4730 Documentation in Social Work Practice (3 hrs)
- Free Elective (3 hrs)

## Senior Year - Spring
- For Full-time students ONLY: 12 hrs
  - SOW 4510 Field Education and (9 hrs)
  - SOW 4522 Field Education Seminar (3 hrs)
- For Part-time students ONLY: 7 hrs
  - SOW 4941 Internship and (5 hrs)
  - SOW 4515 Part Time Field Education Seminar (2 hrs)
- Senior Year - Summer
- For Part-time students ONLY: 5 hrs
  - SOW 4941 Internship or (4 hrs)
  - SOW 4515 Part Time Field Education Seminar (1 hr)

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

### Sociology (B.A.)

**Department of Sociology**

[http://sociology.ucf.edu/](http://sociology.ucf.edu/)

**Email:** sociology@ucf.edu

Dr. Elizabeth E. Mustaine, libby@ucf.edu

**Phone:** 407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students' social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, 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)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>Math</td>
<td></td>
<td>(3 hrs)</td>
</tr>
</tbody>
</table>
- A satisfactory score in the Math Placement Test is required before enrolling in this course.

#### Statistics:
- Prefer MAC 1105C College Algebra (3 hrs)
- STA 2014C Principles of Statistics (3 hrs)

#### D: Social Foundations
- Political Science/Economics (3 hrs)
- Select one listed course (3 hrs)

#### Social Sciences
- Required SYG 2000 Introduction to Sociology (3 hrs)

#### E: Science Foundations
- Required SYG 2000 Introduction to Sociology (3 hrs)

#### 2. Common Program Prerequisites (CPP) (3 hrs)

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

#### 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.

#### 4. Core Requirements: Advanced Level (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYA 3110 Social Theory</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYA 3400C Applied Social Statistics</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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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 Population 3 hrs
- SYD 3410: Urban Society 3 hrs
- SYD 3700: Race and Ethnicity 3 hrs
- SYD 4510: Environment and Society 3 hrs
- SYD 4810: Women in Contemporary Society 3 hrs
- SYD 4813: Women, Law and Social Change 3 hrs
- SYG 2010: Social Problems 3 hrs
- SYO 3000: Contemporary Society 3 hrs
- SYO 3360: Social Organization and Human Relations 3 hrs
- SYO 3410: Patterns of Mental Health in Society 3 hrs
- SYO 3530: Social Power and Inequality 3 hrs
- SYO 4100: Family Trends 3 hrs
- SYO 4200: Religion in Society 3 hrs
- SYO 4250: Education and Social Achievement 3 hrs
- SYO 4300: Political Sociology 3 hrs
- SYO 4400: Medical Sociology 3 hrs
- SYP 3300: Fads, Crowds, and Social Action 3 hrs
- SYP 3400: Social Change 3 hrs
- SYP 3510: Sociology of Deviant Behavior 3 hrs
- SYP 3511: Sociology of Murder 3 hrs
- SYP 3520: Criminology 3 hrs
- SYP 3530: Juvenile Delinquency 3 hrs
- SYP 3540: Sociology of Law 3 hrs
- SYP 3551: Patterns of Alcoholism in Society 3 hrs
- SYP 3552: Patterns of Domestic Violence in Society 3 hrs
- SYP 3602: Patterns of Popular Music in Society 3 hrs
- SYP 3630: Popular Culture In Society 3 hrs
- SYP 3650: Sports and Society 3 hrs
- SYP 4000: Sociological Social Psychology 3 hrs
- SYP 4004: Constructing Social Issues 3 hrs
- SYP 4514: Patterns of Violence in Society 3 hrs
- SYP 4521: Crime Victims in Society 3 hrs
- SYP 4536: Gangs and Society 3 hrs
- SYP 4550: Patterns of Drug Abuse in Society 3 hrs
- SYP 4730: Patterns of Aging in Society 3 hrs
- SYP 4732: Minority Aging 3 hrs
- SYP 5525: Sociological Criminology 3 hrs
- SYD 3800: Sex and Gender in Society 3 hrs
- SYD 4020: Birth, Death, and Population Trends 3 hrs

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
Sophomore Year - Fall 15 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs

Sophomore Year - Spring 16 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 4 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs

Junior Year - Fall 14 hrs
SYA 4300C Research Methods 4 hrs
SYA 3400C Applied Social Statistics 4 hrs
Restricted Elective 3 hrs
GEP 3 hrs

Junior Year - Spring 14 hrs
SYA 3110 Social Theory 3 hrs
SYA 4450 Data Analysis 4 hrs
Free Elective 3 hrs
Free Elective 4 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs

Senior Year - Spring 14 hrs
Restricted Elective 3 hrs
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.oecs.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

Spanish (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 519
http://mll.cah.ucf.edu/
Dr. Francisco Fernandez-Rubiera, Rubiera@ucf.edu

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

Admission Requirements
- None

Degree Requirements
- 36 credits in Spanish must be taken at the 3000 level or above.
- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
- Students must earn at least a “C” (2.0) in each upper division Spanish course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

   Math 6 hrs
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics 3 hrs

   Statistics - Computers 3 hrs
   Select a course from GEP C.2 list
   You may substitute a higher level math with appropriate scores on the Math Placement Test

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

   1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
   1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
   1 SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
   1 May be met by proficiency test or completion of SPN 3234

3. Core Requirements: Basic Level (36 hrs)
   SPN 3234 Advanced Directed Readings 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   1 SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
   1 SPN 3420 Spanish Composition 3 hrs
   1 SPN 3760 Advanced Spanish Oral Communication 3 hrs

Select one of the following sequences of courses:

   SPW 3100  Survey of Spanish Literature I and 3 hrs
   SPW 3101  Survey of Spanish Literature II 3 hrs
   or
   SPW 3130  Survey of Latin-American Literature I and 3 hrs
   SPW 3131  Survey of Latin-American Literature II 3 hrs
   1 A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

5. Restricted Electives (21 hrs)
   Select one linguistics course from the following 3 hrs
       SPN 4801 Spanish Morphosyntax 3 hrs
       SPN 4800 Spanish-American Syntax 3 hrs
       SPN 4780 Spanish Phonetics 3 hrs
       SPN 3852 Bilinguismo 3 hrs
       SPN 3850 Structure of the Spanish Language 3 hrs

   Spanish literature beyond the survey level 3 hrs
   - Any 4000 level SPW course not already used in the major
   Select one Culture and Civilization 3 hrs
       SPN 4510 Spanish Civilization and Culture 3 hrs
       SPN 4520 Latin American Civilization and Culture 3 hrs

   Additional Spanish electives 12 hrs
   - Select any 3000, 4000, 5000 SPN, SPW, SPT courses not already used in the major *Maximum of 9 hours of 5000 level courses accepted
### Related Programs
- 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

### Admission
- Met by Graduation requirements.

### Graduation
- Met by Common Program Prerequisites.

### Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### Additional Requirements
- None

### Required Minors
- None

### 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, entirely in Spanish. The exam is offered each September and February and students need the approval of their advisor to take the exam. Students should discuss the optimal test date with their advisor and the Spanish Section Director. Students may take the Spanish Exit Exam up to a maximum of two times. Students are eligible to take the exam after they complete the literature survey sequence and the linguistics requirement. Exceptions must be approved by the student’s Spanish advisor and by the Spanish Section Director.
- Computer Competency met by the following or equivalent:
  - CGS 1060C Introduction to Computers 3 hrs

### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Sport and Exercise Science (B.S.)

**College of Education and Human Performance**

**Department of Educational and Human Sciences, Education Building, Room: 209**

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

Dr. David Fukuda, David.Fukuda@ucf.edu, 407-823-0442

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 field and laboratory experiences. The Coaching Track includes coursework leading to partial fulfillment of the Athletic Coaching Endorsement. Full eligibility for the endorsement may require additional criteria outlined by the Florida Department of Education (FLDOE). For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/. 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 once 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 the Community 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)
- General Education Program elective from section B1 to meet Gordon Rule Requirement 3 hrs

Select 1:
- Prefer MUL 2100 Enjoyment of Music or 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1 3 hrs

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

Select 1:
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

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

#### E: Science Foundations (7 hrs)
- Required BSC 2010C Biology I 4 hrs
- Prefer PSC 1121 Physical Science 3 hrs

**2. Common Program Prerequisites (CPP)**
- See Transfer Notes for possible substitutes for the following course:
  - BSC 2010C Biology I GEP

### 3. Core Requirements: Basic Level (22 hrs)

#### Core Requirements for Sport and Exercise Science (22 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 3736C</td>
<td>Exercise Physiology Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 3063</td>
<td>Introduction to Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3097</td>
<td>Health and Wellness</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3361</td>
<td>Nutrition and Metabolism in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>APK 4110C</td>
<td>Exercise Physiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4550C</td>
<td>Assessment and Evaluation in Exercise Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
- PET 4312C Kinesiology/Biomechanics or 3 hrs
- PET 4325 Functional Kinesiology for Sport and Exercise Science

**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 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 3024 Sports and Ethics 3 hrs
- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs

Select one of the following courses under electives if you intend to apply for the Athletic Coaching Endorsement with the FLDOE: PEO 3624, PEO 3644, PEO 3324, PEO 3514 or PEO 3041. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/

#### 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
- LEI 4266 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.
- Courses already required for your selected Track may not be used to meet the Restricted Elective requirement.
- Select preferred electives with advisor approval. A minimum of nine (9) hours must be selected from the list below:
- PET 4083 Personal Training Methods 3 hrs
- PET 3768 Group Exercise Instruction 3 hrs
- PET 4401 Administration and Evaluation in Sport and Exercise Science 3 hrs
- PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs
- PET 4312C Human Injuries: Mechanisms & Prevention 3 hrs
- PET 4401 Administration and Evaluation in Sport and Exercise Science 3 hrs
- PET 4325 Functional Kinesiology for Sport and Exercise Science 3 hrs
- PET 4371 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 3024 Sports and Ethics 3 hrs
- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs
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 9 hrs
 Take 3 additional electives in the program approved by 9 hrs
 the advisor
 During the final year of the program, students will complete Practicum requirements in an area that is specific to their desired career goals. In order to be placed into practicum, students will need to have a 2.75 GPA. These experiences will provide the student with actual professional experiences and practical hands-on application. The students will be working directly with a Practicum Site Supervisor in the organization and their UCF Faculty Supervisor. The UCF Faculty Supervisor will maintain periodic contact with the Practicum Site Supervisor to check performance status.
 Students in the Practicum will be representing not only themselves while on site but also the Sport and Exercise Science Program, the College, and UCF. Therefore, professionalism in manner, ethics, job performance, and dress will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their UCF Faculty Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action regarding expectations and improvements will be developed.
 If the problems persist and the situation warrants, the students may be removed from their Practicum experience.
 7. Foreign Language Requirements
 Admissions
 (0-8 hrs.) State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
 Graduation
 None
 8. Electives
 Restricted Electives as listed above.
 9. Additional Requirements
 None
 10. Required Minors
 None
 11. Departmental Exit Requirements
 A minimum overall GPA of 2.5.
 12. University Minimum Exit Requirements
 A 2.0 UCF GPA
 60 semester hours earned after CLEP awarded
 48 semester hours of upper division credit completed
 30 of the last 39 hours of course work must be completed in residency at UCF.
 A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
 Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
 Total Semester Hours Required 120
 Honors In Major
 None
 Related Programs
 None
 Certificates
 None
 Related Minors
 Coaching
 Fitness Training
 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
 The Coaching, Human Performance and Community Sport and Fitness Tracks follow the same Plan of Study for the Freshman and Sophomore Semesters.
 Freshman Year - Fall 12 hrs
 ENC 1101  Composition I  3 hrs
 PSC 1121  Physical Science  3 hrs
 PSY 2012  General Psychology  3 hrs
 Select 1:
 MUL 2010  Enjoyment of Music or 3 hrs
 THE 2000  Theatre Survey or 3 hrs
 PHI 2010  Introduction to Philosophy  3 hrs
 Freshman Year - Spring 16 hrs
 BSC 2010C  Biology I  4 hrs
 ENC 1102  Composition II  3 hrs
 MGF 1106  Finite Mathematics  3 hrs
 POS 2041  American National Government  3 hrs
 SPC 1808  Fundamentals of Oral Communication  3 hrs
 Sophomore Year - Fall 15 hrs
 GEP B1 Elective  3 hrs
 PET 3005  Introduction to Sport and Exercise Science  3 hrs
 Elective Courses (2000 level or higher) 6 hrs
 Select 1:
 CGS 1060C  Introduction to Computers or 3 hrs
 STA 1063C  Basic Statistics Using Microsoft Excel or 3 hrs
 STA 2014C  Principles of Statistics  3 hrs
 Sophomore Year - Spring 13 hrs
 PET 3097  Health and Wellness  3 hrs
 GEP B3 Elective ( Prefer course from section B1)  3 hrs
 Elective Course (2000 level or higher)  3 hrs
 ZOO 3736C  Exercise Physiology Anatomy  4 hrs
Human Performance Track

Junior Year - Fall 15 hrs
PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
APK 4110C Exercise Physiology 3 hrs
Elective Course (2000 level or higher) 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs

Select 1: 3 hrs
PET 4312C Kinesiology/Biomechanics or Functional Kinesiology for Sport and Exercise Science 3 hrs
PET 4325 Functional Kinesiology for Sport and Exercise Science 3 hrs

Senior Year - Spring 15 hrs
PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
Elective Course (2000 level or higher) 3 hrs
PET 3125 Fitness and Weight Management 3 hrs
PET 3771 Strength and Conditioning Concepts 3 hrs
PET 4050C Motor Development and Learning 3 hrs

Senior Year - Summer 7 hrs
Elective Courses (2000 level or higher) 7 hrs

Select 1: 9 hrs
PET 4901 Capstone in Sport and Exercise Science 3 hrs

Community Sport and Fitness Track

Junior Year - Fall 15 hrs
APK 4110C Exercise Physiology 3 hrs
Elective Course (2000 level or higher) 3 hrs
PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
PET 3820 Teaching Sports Skills I 3 hrs

Select 1: 3 hrs
PET 4312C Kinesiology/Biomechanics or Functional Kinesiology for Sport and Exercise Science 3 hrs

Junior Year - Spring 15 hrs
LEI 4266 Outdoor And Leisure Activities 3 hrs
PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
PET 4763 Coaching Methods And Principles 3 hrs
SPM 3415 Public Relations in Sport and Exercise Science 3 hrs
Elective Course (2000 level or higher) 3 hrs

Junior Year - Summer 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 advisor 9 hrs

Coaching Track

Junior Year - Fall 15 hrs
APK 4110C Exercise Physiology 3 hrs
Elective Course (2000 level or higher) 3 hrs
PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
PET 3765 Coaching Theory 3 hrs

Select 1: 3 hrs
PET 4312C Kinesiology/Biomechanics or Functional Kinesiology for Sport and Exercise Science 3 hrs

Senior Year - Fall 15 hrs
PET 4050C Motor Development and Learning 3 hrs
PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
PET 4763 Coaching Methods And Principles 3 hrs
SPM 3204 Sports and Ethics 3 hrs
Elective Course (2000 level or higher) 3 hrs

Senior Year - Summer 7 hrs
Elective Courses (2000 level or higher) 7 hrs

Select 1: 9 hrs
PET 4926 Sport and Exercise Science Practicum or Take 3 additional electives in the program approved by advisor 9 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/academiclearningcompacts.html

Statistics (B.S.)

College of Sciences
Department of Statistics,
Computer Center 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.
UCF Degree Programs

- All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.
- STA 2023 Statistical Methods I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

1. UCF General Education Program (GEP) (39 hrs)
- Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.
- A: Communication Foundations (9 hrs)
- B: Cultural & Historical Foundations (9 hrs)
- C: Mathematical Foundations (7 hrs)
- Required: MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required: STA 2023 Statistical Methods I 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.
- Required: CHM 2045C Chemistry Fundamentals I or 4 hrs
- Required: PHY 2053C College Physics I 4 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:
- Core: Required, satisfies the CPP
- COP 3223C Introduction to Programming with C and CPP
- MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
- MAC 2312 Calculus with Analytic Geometry II and GEP/CPP
- MAC 2313 Calculus with Analytic Geometry III and GEP/CPP
- STA 2023 Statistical Methods I and GEP/CPP
- - and two semesters equivalent within the following:
- These satisfy the requirement for two semesters equivalent of science courses with labs designed for majors.
- CHM 2045C Chemistry Fundamentals I GEP/CPP

- or an alternate sequence.
- These two semesters only count as one, and are considered as equivalent to the above course.
- CHM 2040 Chemistry Fundamentals IA and GEP/CPP
- CHM 2041 Chemistry Fundamentals IB GEP/CPP

- or complete both
- Lecture plus lab count as one semester.
- CHM 2046 Chemistry Fundamentals II and GEP/CPP
- CHM 2046L Chemistry Fundamentals Laboratory GEP/CPP

4. Core Requirements: Advanced Level (40 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
- 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

5. Restricted Electives (9 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
- MTH 3302 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.
- AC 2021 Principles of Financial Accounting 3 hrs
- AC 2071 Principles of Managerial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- FIN 3403 Business Finance 3 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.

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.
- 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 at http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test at http://ufc.sdes.ucf.edu/math/
- 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
- 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
- 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
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 4163 Statistical Methods II 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- STA 4164 Statistical Methods III 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs
- Core Course 3 hrs
- Core Course 4 hrs

Junior Year - Fall
- STA 4321 Statistical Theory I 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs

Junior Year - Spring
- STA 4322 Statistical Theory II 3 hrs
- Core Course 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Fall
- STA 4102 Computer Processing of Statistical Data 3 hrs
- COT 4500 Numerical Calculus 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- Core Course 3 hrs
- Elective / Minor 3 hrs
- Take SOA EXAM P (Probability).

Senior Year - Spring
- GEP 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/academiclearningcompacts.html

Technical Education and Industry Training (B.S.)
College of Education and Human Performance
Department of Child, Family and Community Sciences
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu, 407-925-5305

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
## UCF Degree Programs

### 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)

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<th>Course Title</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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#### B: Cultural & Historical Foundations (9 hrs)

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<tbody>
<tr>
<td>AET 4183</td>
<td>Advanced Teaching Techniques for Career Education</td>
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#### C: Mathematical Foundations (6 hrs)

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<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
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<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
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<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
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#### D: Social Foundations (6 hrs)

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</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### E: Science Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
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</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECT 3365</td>
<td>General Methods/Testing Evaluation in Career &amp; Technical Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 3367</td>
<td>Evaluation of Career &amp; Technical Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECW 3564</td>
<td>Special Populations in Career &amp; Technical Education</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level

- None

#### 4. Core Requirements: Advanced Level (57 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADE 4382</td>
<td>Teaching Adult Learners in Technical Programs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 3062</td>
<td>Professional Roles of the Career &amp; Technical Teacher</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 3365</td>
<td>General Methods/Testing Evaluation in Career &amp; Technical Education</td>
<td>3 hrs</td>
</tr>
<tr>
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</tr>
<tr>
<td>ECW 3564</td>
<td>Special Populations in Career &amp; Technical Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 4004</td>
<td>Principles and Practices of Technical Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 4184</td>
<td>Curriculum Development Techniques for Industry Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 4384</td>
<td>Advanced Teaching Techniques for Career Education</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

- BTE 4410  Course Construction in Business Education  3 hrs
- ECW 3312  Course Construction in Health Occupations Education or 3 hrs
- ECT 3371  Course Construction in Industrial Education  3 hrs

#### Technical Specialization Requirements 30 hrs

- Students must complete an area of specialization through occupation-specific courses approved by advisor.

#### 5. Restricted Electives (18 hrs)

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

#### Upper Division Electives 6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 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

#### 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Freshman Year - Spring

<table>
<thead>
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<th>Course Title</th>
<th>Hours</th>
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</table>

#### Sophomore Year - Fall

<table>
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#### Sophomore Year - Spring

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<thead>
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<td>EDF 2085</td>
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<td>3 hrs</td>
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</table>

### University of Central Florida
Science Foundations Course (Prefer State General Education Core 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:**
ECT 3312 Course Construction in Health Occupations 3 hrs
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 9 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 12 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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)
- 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](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](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](http://www.theatre.ucf.edu)
- All Acting students must submit a resume, color head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design & Technology and Stage Management students must submit a resume, personal photo (formal head shot not required), three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The BFA plan of study requires a fall start for proper course sequencing. Students are not accepted to begin in the Spring or Summer semesters.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. 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 departmental advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

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**Theatre (B.F.A.)**

**College of Arts and Humanities**

**Department of Theatre,**
Performing Arts Center, Room: T210A


**Email:** theatre@ucf.edu

Be Boyd Coordinator: Acting, Belinda.Boyd@ucf.edu
Bert Scott Coordinator: Design & Tech, Stage Management, Bert.Scott@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 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.
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/backstage assignment, 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.

All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.

Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Courses designated 1 (General Education Program) are taken throughout all four years.

Design & Technology Students are required to take ARH 2051 as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible. Transfer students who have not completed ARH 2051 must complete the course at UCF.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

1 Required THE 2020 Survey of Theatre for Majors 3 hrs

2 Required ARH 2051 History of Western Art II 3 hrs

1 This course is only taught during the fall semesters.

2 Design & Technology Students select ARH 2051 (History of Western Art II)

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

Suggested MGF 1107 Explorations in Mathematics 3 hrs

Suggested MGF 1106 Finite 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

D: Social Foundations (6 hrs)

1 Required PSY 2012 General Psychology 3 hrs

Stage Management Students select PSY 2012 (General Psychology)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

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

1 THE 2020 Survey of Theatre for Majors GEP

1 THE 2025 Script Analysis for Theatre 3 hrs

THE 2925L Theatre Participation 1 hr

TPA 2290L Theatre Participation-Production I 1 hr

TPP 2110C Acting I - Introduction 3 hrs

Theatre Electives (THE, TPP, TPA prefix) 9 hrs

Acting students select: 3 hrs

TPA 2200L Introduction to Technical Theatre and 2 hrs

TPA 2200L Intro to Technical Theatre Lab 1 hr

Design & Technology and Stage Management 3 hrs

students select:

1 TPA 2210 Stagecraft I 3 hrs

1 See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (12 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

1 TPP 3310C Directing for Theatre I 3 hrs

THE 4954 Theatre Exit Critique 0 hrs

1 See Transfer Notes for possible substitutes.

4. Core Requirements: Advanced Level (61 hrs)

Specialization: select one area

Acting Specialization 58 hrs

TPA 2248C Makeup Techniques and 2 hrs

DAA 2200C Ballet I and 2 hrs

TPP 2170C Acting II - The Actor Prepares and 3 hrs

TPP 3173C Acting III - Building the Character and 3 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 2710C Voice Production I 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 3510C Movement for the Actor I and 2 hrs

TPP 3513C Movement for the Actor II and 2 hrs

TPP 4531C Period Movement and 2 hrs

TPP 4512C Stage Combat and 2 hrs

TPP 3257C Musical Theatre Voice I and 2 hrs

TPP 3259C Musical Theatre Voice II 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 (Any THE, TPP, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement)

Select 1: 2 hrs

DAA 2570C Jazz Dance I or 2 hrs

DAA 2100C Modern Dance I 2 hrs

Select 1: 1 hr

TPA 4298L Theatre Participation-Production II or 1 hr

THE 4093L Theatre Participation-Management II or 1 hr

TPP 4193L Theatre Participation-Performance II 1 hr

Stage Management Specialization 55 hrs

TPA 2210L Stagecraft I Lab and 1 hr

TPA 2211L Stagecraft II Lab and 1 hr

TPA 4298L Theatre Participation-Production II and 1 hr

TPA 4298L Theatre Participation-Production I and 1 hr

TPP 4400 Theatre Management and 3 hrs

TPA 2220C Stage Electronics and 3 hrs

TPA 2600 Stage Management Basics and 3 hrs

TPP 3601 Stage Management I and 3 hrs

TPP 4602 Advanced Stage Management and 3 hrs

TPP 3195L Summer Theatre Studio/Tech/Design I and 3 hrs

TPP 3197L Summer Theatre Studio/Tech/Design II and 3 hrs
9. Additional Requirements

Graduation admittance exam (variable)

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 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

- Lower level 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 2020 May use any introductory dance course. Some students with a transfer substitute choose to take THE 2020 at UCF as a theatre elective. TPA 2215 not required.
  - TPA 2215 May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute.
- TPA 2210 may be substituted with any introductory Theatre Play or Script Analysis class. Lab will still need to be taken.
- TPA 2200 may be substituted with any introductory Stagecraft Course. Lab will still need to be taken.
- TPA 2201 May use any introductory Stagecraft Course. Lab will still need to be taken.
- TPA 3223 May use any introductory Theatre Directing course.
- TPA 3265 May use any introductory Theatre Directing course.

1 Or any introductory Theatre Directing course.
Plan of Study

- None

Acting

Freshman Year - Fall 16 hrs
- TPA 2020 Survey of Theatre for Majors 3 hrs
- TPA 2710C Voice Production I 2 hrs
- THE 2305 Script Analysis for Theatre 3 hrs
- TPA 3510C Movement for the Actor I 2 hrs
- GEP Mathematical Foundation 3 hrs
- ENC 1101 Composition I 3 hrs

Freshman Year - Spring 16 hrs
- TPA 3711C Voice Production II 2 hrs
- TPA 2110C Acting I - Introduction 3 hrs
- TPA 3513C Movement for the Actor II 2 hrs
- TPA 2248C Makeup Techniques 2 hrs
- THE 2925L Theatre Participation 1 hr
- General Education 3 hrs
- ENC 1102 Composition II 3 hrs

Sophomore Year - Fall 16 hrs
- TPA 2200 Introduction to Technical Theatre 2 hrs
- TPA 2200L Intro to Technical Theatre Lab 1 hr
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- TPA 2170C Acting II-The Actor Prepares 3 hrs
- DAA 2200C Ballet I 2 hrs
- TPA 3712C Voice Production III 2 hrs
- General Education 3 hrs

Sophomore Year - Spring 16 hrs
- TPA 3267C Musical Theatre Voice I 2 hrs
- TPA 3173C Musical Theatre Voice II 2 hrs
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- TPA 4221 Auditioning 3 hrs
- General Education 3 hrs

Select One: 2 hrs
- DAA 2570C Jazz Dance I or 2 hrs
- DAA 2100C Modern Dance I 2 hrs

Junior Year - Fall 16 hrs
- TPA 4140C Acting IV - Creating the Role 3 hrs
- TPA 4250C CADD for Theatre 2 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- TPA 3195L Summer Theatre Studio/Tech/Design I 3 hrs
- THE 2925L Theatre Participation 1 hr
- General Education 3 hrs
- General Education 3 hrs

Junior Year - Spring 16 hrs
- TPA 4142C Acting Verse 3 hrs
- THE 2925L Theatre Participation 1 hr
- TPP 3257C Musical Theatre Voice I 2 hrs
- TPP 3711C Voice Production II 2 hrs
- General Education 3 hrs

Select 1: 3 hrs
- TPA 3060C Scenic Design for Theatre I or 3 hrs
- TPA 3045C Costume Design for Theatre I 3 hrs

Junior Year - Summer 6 hrs
- TPP 4940L Theatre Internship 6 hrs

Senior Year - Fall 15 hrs
- TPA 4400 Theatre Management 3 hrs
- THE 4284 Period Costume, Architecture, and Decor I 3 hrs
- TPA 3310C Directing for Theatre I 3 hrs
- THE 4954 Theatre Exit Critique 0 hrs
- Theatre Elective 3 hrs
- General Education 3 hrs

Senior Year - Spring 12 hrs
- TPA 4512C Stage Combat 2 hrs
- THE 2925L Theatre Participation 1 hr
- Theatre Elective 3 hrs
- Theatre Elective 3 hrs
- General Education 3 hrs

Stage Management

Freshman Year - Fall 15 hrs
- TPA 2020 Survey of Theatre for Majors 3 hrs
- TPA 2210 Stagecraft I 3 hrs
- TPA 2210L Stagecraft I Lab 1 hr
- TPA 2110C Acting I - Introduction 3 hrs
- TPA 4250C CADD for Theatre 2 hrs
- TPA 2600 Stage Management Basics 3 hrs

TPA 2220C Stage Electronics 3 hrs
TPA 2211 Stagecraft II 3 hrs
TPA 2211L Stagecraft II Lab 1 hr
TPA 3601 Stage Management 3 hrs
THE 2305 Script Analysis for Theatre 3 hrs
General Education 3 hrs

Freshman Year - Summer 6 hrs
- TPA 3195L Summer Theatre Studio/Tech/Design I 3 hrs
- TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs

Sophomore Year - Fall 15 hrs
- TPA 2000C Theatre Design Basics 3 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- THE 2925L Theatre Participation 1 hr
- TPA 3103 Intermediate Acting 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Sophomore Year - Spring 16 hrs
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- TPA 4400 Theatre Management 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Junior Year - Fall 16 hrs
- THE 3313 Theatre History and Dramatic Literature III 3 hrs
- TPA 4602 Advanced Stage Management 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Select 1: 3 hrs
- TPA 3223C Lighting Design for Theatre I or 3 hrs
- TPA 3265C Sound Design for Theatre I 3 hrs

Junior Year - Summer 6 hrs
- TPP 4940L Theatre Internship 6 hrs

Senior Year - Fall 15 hrs
- TPA 4400 Theatre Management 3 hrs
- THE 4284 Period Costume, Architecture, and Decor I 3 hrs
- TPA 3310C Directing for Theatre I 3 hrs
- THE 4954 Theatre Exit Critique 0 hrs
- Theatre Elective 3 hrs
- General Education 3 hrs

Senior Year - Spring 12 hrs
- THE 4285 Period Costume, Architecture, and Decor II 3 hrs
- Theatre Elective 3 hrs
- Theatre Elective 3 hrs
- General Education 3 hrs

Design & Technology

Freshman Year - Fall 15 hrs
- TPA 2020 Survey of Theatre for Majors 3 hrs
- TPA 2210 Stagecraft I 3 hrs
- TPA 2210L Stagecraft I Lab 1 hr
- TPA 2000C Theatre Design Basics 3 hrs
- TPA 4250C CADD for Theatre 2 hrs
- General Education 3 hrs

1 Part of GEP

Freshman Year - Spring 16 hrs
- TPA 2220C Stage Electronics 3 hrs
- TPA 2071C Theatre Rendering 3 hrs
- TPA 2211 Stagecraft II 3 hrs
- TPA 2211L Stagecraft II Lab 1 hr
- TPA 2230C Costume Construction 3 hrs
- THE 2305 Script Analysis for Theatre 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
### UCF Degree Programs

**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/*  
Dr Steven Chicurel, Steven.Chicurel@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](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](http://www.theatre.ucf.edu) for details.
- All students must submit a resume, color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre students are accepted on a "Provisional" basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve, probation is lifted. If grades do not improve, the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program.

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/academiclearningcompacts.html](http://www.o eas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Degree Requirements

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<thead>
<tr>
<th>Freshman Year - Summer</th>
<th>6 hrs</th>
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<tbody>
<tr>
<td>TPA 3195L</td>
<td>Summer Theatre Studio/Tech/Design I</td>
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<tr>
<td>TPA 3197L</td>
<td>Summer Theatre Studio/Tech/Design II</td>
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<tr>
<td>THE 3311</td>
<td>Theatre History and Dramatic Literature I</td>
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<tr>
<td>TPA 4251C</td>
<td>Advanced CAD for Theatre</td>
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<td>TPA 2925L</td>
<td>Theatre Participation</td>
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<tr>
<td>TPA 3077C</td>
<td>Scene Painting</td>
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<td>TPA 2600</td>
<td>Stage Management Basics</td>
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<tr>
<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
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<tr>
<td>TPA 4384C</td>
<td>Advanced Topics in Technical Theatre</td>
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<td>TPA 3601</td>
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<tr>
<td>THE 3313</td>
<td>Theatre History and Dramatic Literature III</td>
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<tr>
<td>TPP 2110C</td>
<td>Acting I - Introduction</td>
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<tr>
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<tr>
<td>THE 2925L</td>
<td>Theatre Participation</td>
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<tr>
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<tr>
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<td>Scenic Design for Theatre I or</td>
</tr>
<tr>
<td>TPA 3045C</td>
<td>Costume Design for Theatre I</td>
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<td>Theatre Careers in Production</td>
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<td>General Education</td>
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<tr>
<td>TPA 3229C</td>
<td>Lighting Design for Theatre I</td>
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<td>TPA 4066C</td>
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<td>THE 4954</td>
<td>Theatre Exit Critique</td>
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<td>General Education</td>
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<td>Period Costume, Architecture, and Decor II</td>
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<tr>
<td>General Education</td>
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<tr>
<td>TPA 3265C</td>
<td>Sound Design for Theatre I or</td>
</tr>
<tr>
<td>TPA 3223C</td>
<td>Lighting for Theatre I</td>
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<table>
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<th>Program Academic Learning Compacts</th>
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<tbody>
<tr>
<td>Program Academic Learning Compacts</td>
<td>student learning outcomes</td>
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<th>Equipment Fees</th>
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<td>Part-Time Student: $45 per term</td>
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<tr>
<td>Full-Time Student: $90 per term</td>
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</table>
UCF Degree Programs

Continuation in the BFA program requires a positive annual BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.

Co-op cannot be used in this major.

Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.

All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.

Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida 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 department 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 required at the time of entry to the department.

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 3 hrs |
| 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 3 hrs
2. THE 2305 Script Analysis for Theatre 3 hrs
3. THE 2925L Theatre Participation 1 hr
4. TPA 2290L Theatre Participation-Production I 1 hr
5. TPA 2220 Intro to Technical Theatre 2 hrs
6. TPA 2200L Intro to Technical Theatre Lab 1 hr
7. TPP 2110C Acting I - Introduction 3 hrs
8. Theatre Electives (THE, TPP, TPA prefix) 9 hrs

3. Core Requirements: Basic Level (23 hrs)

| MUT 1121 Music Theory and Musicianship I 4 hrs |
| MUT 1122 Music Theory and Musicianship II 4 hrs |
| DAA 2200C Ballet I 2 hrs |
| DAA 2201C Ballet II 2 hrs |
| DAA 2570C Jazz Dance I 2 hrs |
| DAA 2571C Jazz Dance II 2 hrs |
| DAA 2520C Tap Dance I 2 hrs |
| TPP 2248C Makeup Techniques 2 hrs |
| TPP 2170C Acting II - The Actor Prepares 3 hrs |

4. Core Requirements: Advanced Level (50 hrs)

| TPP 3173C Acting III - Building the Character 3 hrs |
| TPP 4140C Acting IV - Creating the Role 3 hrs |
| TPP 3251 Musical Theatre Acting I 3 hrs |
| TPP 3252 Musical Theatre Acting II 3 hrs |
| THE 4244 Musical Theatre History I 3 hrs |
| THE 4245 Musical Theatre History II 3 hrs |
| THE 3311 Theatre History and Dramatic Literature I 3 hrs |
| THE 3312 Theatre History and Dramatic Literature II 3 hrs |
| TPP 3257C Musical Theatre Voice I 2 hrs |
| TPP 3258C Musical Theatre Voice II 2 hrs |
| TPP 4255C Musical Theatre Voice III 2 hrs |
| TPP 4923C Musical Theatre Voice IV 2 hrs |
| TPP 4270C Music Theatre Voice V 2 hrs |
| TPP 4940L Theatre Internship 6 hrs |
| TPP 4223C Theatre Careers for Performance 3 hrs |
| TPP 3310C Directing for Theatre I 3 hrs |
| THE 4954 Theatre Exit Critique 0 hrs |

Select 2 2 hrs

| TPA 4298L Theatre Participation-Production II or 1 hr |
| THE 4093L Theatre Participation-Management II or 1 hr |
| TPP 4193L Theatre Participation-Management III or 1 hr |

5. Restricted Electives

Any THE, TPA, TPP, DAA, or DAN 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 in advance by the Theatre Department Undergraduate Coordinator. Courses with these prefixes not taught by the department cannot be used in this program.

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.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  1. THE 2020 Survey of Theatre for Majors 3 hrs
     - may be substituted with: THE 2305 Script Analysis for Theatre 3 hrs
     - may be substituted with: TDA 2030
     - may be substituted with: TPA 2210 2 hrs
     - may be substituted with: TPA 2200 2 hrs
     - may be substituted with: TPA 2200
     - may be substituted with: TPA 3110C 3 hrs
     - may use any introductory course. However, THE 2020 is a prerequisite for all theatre courses and may still need to be taken.

Plan of Study

Freshman Year - Fall
- THE 2020 Survey of Theatre for Majors 3 hrs
- DAA 2200C Ballet I 2 hrs
- THE 2305 Script Analysis for Theatre 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- THE 2925L Theatre Participation 1 hr

Freshman Year - Spring
- TPP 2110C Acting I - Introduction 3 hrs
- TPP 3257C Musical Theatre Voice I 2 hrs
- DAA 2201C Ballet II 2 hrs
- General Education 3 hrs
- THE 2925L Theatre Participation 1 hr
- MUT 1121 Music Theory and Musicianship I 4 hrs

Sophomore Year - Fall
- TPP 2170C Acting II - The Actor Prepares 3 hrs
- THE 4244 Musical Theatre History I 3 hrs
- DAA 2570C Jazz Dance I 2 hrs
- TPP 3251 Musical Theatre Acting I 3 hrs
- TPP 3258C Musical Theatre Voice II 2 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs

Sophomore Year - Spring
- DAA 2571C Jazz Dance II 2 hrs
- TPP 3173C Acting III - Building the Character 3 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- TPP 4295C Musical Theatre Voice III 2 hrs
- General Education 3 hrs
- TPA 2200 Introduction to Technical Theatre 2 hrs
- TPA 2200L Intro to Technical Theatre Lab 1 hr

Junior Year - Fall
- TPA 2248C Makeup Techniques 2 hrs
- THE 4245 Musical Theatre History II 3 hrs
- TPP 4140C Acting IV - Creating the Role 3 hrs
- TPA 4923C Musical Theatre Voice IV 2 hrs
- General Education 3 hrs
- THE 2925L Theatre Participation 1 hr

Junior Year - Spring
- TPP 4223C Theatre Careers for Performance 3 hrs
- TPP 4270C Musical Theatre Voice V 2 hrs
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- TPP 3252 Musical Theatre Acting II 3 hrs
- General Education 3 hrs
- THE 2925L Theatre Participation 1 hr

Junior Year - Summer
- TPA 4940L Theatre Internship 6 hrs

Senior Year - Fall
- TPP 3310C Directing for Theatre I 3 hrs
- DAA 2520C Tap Dance I 2 hrs
- General Education 3 hrs
- THE 4954 Theatre Exit Critique 0 hrs
- General Education 3 hrs
- General Education 3 hrs
- Theatre Elective 2 hrs

Senior Year - Spring
- Movement Elective 2 hrs
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- Theatre 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/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

**Admission Requirements**
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit [http://www.theatre.ucf.edu](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 for returning students and are available on our department website. Scholarship applications for incoming students are available at your interview appointment. Scholarship decisions are usually finalized in August prior to the Fall semester.

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from the program.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor each semester before registering. Students who do not consult with their departmental advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a departmental advisor may lead to release from the program.
- Departmental Residency Requirement consists of 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](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)

- **A: Communication Foundations** (9 hrs)
- **B: Cultural & Historical Foundations** (9 hrs)

#### Required
- THE 2020 Survey of Theatre for Majors
- THE 2305 Script Analysis for Theatre
- THE 2925L Theatre Participation
- TPA 2200L Intro to Technical Theatre Lab
- TPP 2110C Acting I - Introduction

#### Select 1:
- TPA 4298L Theatre Participation-Production II
- THE 4093L Theatre Participation-Management II
- TPP 4193L Theatre Participation-Performance II

### 2. Common Program Prerequisites (CPP)

#### See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Suggested MGF 1106 Finite Mathematics or Suggested MGF 1107 Explorations in Mathematics or
- Statistics - Computers 3 hrs
- Co-op credit cannot be used in this major.
- Math: 3 hrs
- Select a course from GEP C.2 list 3 hrs

### 3. Core Requirements: Basic Level

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

#### Core Requirements: Advanced Level (13 hrs)
- THE 3311 Theatre History and Dramatic Literature I
- THE 3312 Theatre History and Dramatic Literature II
- THE 3313 Theatre History and Dramatic Literature III
- TPP 3310C Directing for Theatre I
- THE 4954 Theatre Exit Critique

#### Select 1:
- 1 hr
- TPA 4298L Theatre Participation-Production II
- THE 4093L Theatre Participation-Management II
- TPP 4193L Theatre Participation-Performance II

### 5. Restricted Electives (13 hrs)
- Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department, except THE 3006, 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 in advance by the Theatre Department Undergraduate Coordinator. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.
### 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

#### 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. When no official minor is offered, students may complete an 18-credit-hour area of concentration when pre-approved by the Undergraduate Coordinator.

### 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Theatre course.
- Maintain a “B” (3.0) Theatre GPA or better.
- Write an Exit Critique of a UCF-affiliated production and pass each section evaluated 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.

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

### Total Semester Hours Required
- 120

#### Honors in Major
- None

### Related Programs
- Art
- Film
- Music
- Theatre

### Certificates
- None

### Related Minors
- Art - Studio
- Music
- Film - Cinema Studies
- Theatre
- Dance
- Event Management

### Advising Notes
- None

### Transfer Notes
- Lower level 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
- **THE 2020** Survey of Theatre for Majors 3 hrs
  - may be substituted with:
    - **THE 2305** Script Analysis for Theatre 3 hrs
    - **TPA 2200** Introduction to Technical Theatre 2 hrs
  - may be substituted with: **TPP 2110** Action I - Introduction 3 hrs

### Plan of Study

#### Freshman Year - Fall 15 hrs
- **THE 2020** Survey of Theatre for Majors 3 hrs
- **TPP 2110C** Acting I - Introduction 3 hrs
- **General Education** 3 hrs
- **ENC 1101** Composition I 3 hrs
- **General Education** 3 hrs

#### Freshman Year - Spring 15 hrs
- **THE 2305** Script Analysis for Theatre 3 hrs
- **TPP 3310C** Directing for Theatre I 3 hrs
- **TPP 2110C** Acting I - Introduction 3 hrs

#### Sophomore Year - Fall 16 hrs
- **General Education** 3 hrs
- **Theatre Elective** 3 hrs
- **THE 2925L** Theatre Participation 1 hr
- **General Education** 3 hrs
- **General Education** 3 hrs
- **General Education** 3 hrs

#### Sophomore Year - Spring 15 hrs
- **THE 3311** Theatre History and Dramatic Literature I 3 hrs
- **Theatre Elective** 3 hrs
- **General Education** 3 hrs
- **General Education** 3 hrs
- **General Education** 3 hrs

#### Junior Year - Fall 13 hrs
- **TPA 2290L** Theatre Participation-Production I 1 hr
- **THE 3312** Theatre History and Dramatic Literature II 3 hrs
- **General Education** 3 hrs
- **General Education** 3 hrs
- **General Education** 3 hrs

#### Junior Year - Spring 16 hrs
- **General Elective** 3 hrs
- **THE 3313** Theatre History and Dramatic Literature III 3 hrs
- **General Elective** 2 hrs
- **TPP 3310C** Directing for Theatre I 3 hrs
- **General Elective** 3 hrs
- **General Elective** 2 hrs

#### Senior Year - Fall 15 hrs
- **THE 4954** Theatre Exit Critique 0 hrs
- **General Elective** 3 hrs
- **Theatre Elective** 2 hrs
- **THE 2925L** Theatre Participation 1 hr
- **General Elective** 3 hrs
- **General Elective** 3 hrs
- **General Elective** 3 hrs

#### Senior Year - Spring 15 hrs
- **General Elective** 3 hrs
- **Theatre Elective** 3 hrs
- **General Elective** 3 hrs
- **Theatre Elective** 3 hrs
- **Theatre Elective** 3 hrs
**UCF Degree Programs**

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oetas.ucf.edu/academiclearningcompacts.html](http://www.oetas.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**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](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

The World Languages Education - French B.S. program offers students the option of two tracks: World Languages Education - French Track and World Languages Education - French Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

**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.
- 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
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is non-certification program and does not require the General Knowledge Test.

**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.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

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

**B: Cultural & Historical Foundations** (9 hrs)
- General Education Program course from section B1 to meet Gordon Rule Requirement 3 hrs

**Select 1:**
- Prefer MUL 2010 Enjoyment of Music or 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 2100 Introduction to Philosophy 3 hrs
- General Education Program course: Prefer a second course from GEP section B1 3 hrs

2. **Core Requirements: Basic Level** (3 hrs)
- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours

**Education Track** 3 hrs
- EDG 2130 Child and Adolescent Development for Educators 3 hrs

**Select 1:**
- EDP 2130 Child and Adolescent Development for Educators or 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

3. **Core Requirements: Advanced Level** (57 hrs)
- Education Track requires 60 semester hours
- Lifelong Learning Track requires 57 semester hours

**Education Core Requirements** 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 ESL 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

1. Pre-requisite for Internship (Education Track)

2. Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

**Education Track Specialization Requirements** 24 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
FRE 3760 Advanced French Oral Communication 3 hrs
FWR 3101 Survey of French Literature II 3 hrs
1 FRE 4421 Advanced French Conversation 3 hrs
2 FRE 4422 Advanced French Composition 3 hrs
Upper division restricted electives (FRE/FWR 3/4XXX with advisor’s consent) 6 hrs

1 Required prior to Internship I.
2 FRE 3410 and FRE 3423 may substitute for FRE 4421 and FRE 4422.

Internship I 3 hrs
Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of “C-” or better. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship I.
Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESL Students in Schools.
Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
FLE 3940 Internship 3 hrs

Other Cognate Requirements (Linguistics) 3 hrs
FRE 3780 French Phonetics and Diction 3 hrs

Internship II 12 hrs
At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
Passing scores on all sections [General Knowledge, Professional, and Subject Area (French K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
FLE 4941 Internship 12 hrs
Lifelong Learning Track Specialization 39 hrs
Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
A grade of “C-” (1.75) or better is required.
Must have a total of 48 or more hours of upper level courses to graduate.
FRE 3760 Advanced French Oral Communication 3 hrs
FWR 3101 Survey of French Literature II 3 hrs
FRE 4421 Advanced French Conversation 3 hrs
FRE 4422 Advanced French Composition 3 hrs
FRE 3780 French Phonetics and Diction 3 hrs
Upper division electives (FRE/FWR 3/4XXX with advisor’s consent) 3 hrs
FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2003C Digital Video Fundamentals 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
DEP 3302 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3605C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
COM 3311 Communication Research Methods 3 hrs
COM 3330 Computer Mediated Communication 3 hrs
COM 4461 Intercultural Communication 3 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs
SPC 3301 Interpersonal Communication 3 hrs
SPC 3425C Group Interaction and Decision-Making 3 hrs
SPC 3445 Leadership Through Oral Communication 3 hrs
SPC 4331 Nonverbal Communication 3 hrs

5. Restricted Electives
None

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
Graduation
None

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
Achieve a minimum 2.5 GPA in all courses within the major.
Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

Education Track
Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

UNIVERSITY OF CENTRAL FLORIDA

UCF Degree Programs

345 Undergraduate Catalog 2015-2016
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- GEP B1 Elective 3 hrs
- Select 1: 3 hrs
  - MGF 1106 Finite Mathematics or 3 hrs
  - MGF 1107 Explorations in Mathematics 3 hrs

Freshman Year - Spring 12 hrs
- GEP B3 Elective ( Prefer course from section B!) 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
- Select 1: 3 hrs
  - MUL 2101 Enjoyment of Music or 3 hrs
  - THE 2000 Theatre Survey or 3 hrs
  - PHI 2010 Introduction to Philosophy 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall 15 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- FRE 2201 Intermediate French Language and Civilization II 3 hrs
- Select 1: 3 hrs
  - STA 2014C Principles of Statistics or 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- Select 1: 3 hrs
  - ANT 2511 The Human Species or 3 hrs
  - BSC 1005 Biological Principles 3 hrs

Education Track
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

Sophomore Year - Spring 12 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- FRE 3300 French Grammar 3 hrs
- FRW 3100 Survey of French Literature I 3 hrs

Sophomore Year - Summer 3 hrs
- FRE 3420 French Composition 3 hrs

Junior Year - Fall 12 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
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Spring 15 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Education Track
- FRE 4422 Advanced French Composition and Literature 3 hrs
- FRE 3780 French Phonetics and Diction and Language 3 hrs
- FRE 3760 Advanced French Oral Communication and Language 3 hrs
- FRW 3101 Survey of French Literature II 3 hrs

Lifelong Learning Track
- MHS 2330 Career Planning and Development 3 hrs
- Choose Lifelong Learning Specialization courses 9 hrs

Junior Year - Summer 9 hrs
- 1 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

Education Track
- FLE 4314 Foreign Language Teaching in Elementary Schools and Communities 3 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 6 hrs
- 1 This course may be taken in the Fall of the senior year with consent of instructor.

Senior Year - Fall 12 hrs
- Education Track
  - FLE 3940 Internship and Supervision 3 hrs
  - FRE 4421 Advanced French Conversation and Culture 3 hrs
  - Upper division restricted electives (FRE/FRW 3/4XXX with instructor's consent) 6 hrs

Senior Year - Summer 12 hrs
- Education Track
  - FLE 4941 Internship 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oenas.ucf.edu/academiclearningcompacts.html

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 Andreassen, ED 123Q, Janet.Andreassen@ucf.edu
The World Languages Education – Spanish B.S. program offers students the option of two tracks: World Languages Education - Spanish Track and World Languages Education - Spanish Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment
with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

**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.
- 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.
- Have a minimum 2.5 overall GPA.
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

**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.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.069. Degree requirements are subject to change based on state mandates.

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

   - Students are advised to take the preferred courses.

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

   **B: Cultural & Historical Foundations** (9 hrs)
   - General Education Program course from Section B1 to meet Gordon Rule Requirement 3 hrs
   - Select 1:
     - Prefer MUL 1010 Enjoyment of Music or 3 hrs
     - Prefer THE 2000 Theatre Survey or 3 hrs
     - Prefer PHI 1010 Introduction to Philosophy 3 hrs

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

   **Select 1:** 3 hrs
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - Prefer STA 2043C Principles of Statistics 3 hrs

2. **Social Foundations** (6 hrs)

   - Prefer POS 2041 American National Government 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs

3. **Science Foundations** (6 hrs)

   - Prefer PSC 1211 Physical Science 3 hrs

   **Select 1:** 3 hrs
   - Prefer ANT 2511 The Human Species or 3 hrs
   - Prefer BSC 1005 Biological Principles 3 hrs

2. **Common Program Prerequisites (CPP)** (21 hrs)

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

   1. **EDF 2130 Child and Adolescent Development for Educators** 3 hrs
   2. **SPN 2201 Intermediate Spanish Language and Civilization II** 3 hrs
   3. **SPN 3300 Advanced Spanish Grammar and Composition** 3 hrs
   4. **SPN 3420 Spanish Composition** 3 hrs
   5. **SPW 3100 Survey of Spanish 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.
   2 SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101.

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

   - Education Track requires 3 semester hours
   - Lifelong Learning Track requires 6 semester hours
   - Students should consult advisor regarding course options.

   **Education Track**
   - **EDF 2130 Child and Adolescent Development for Educators** 3 hrs
   - **SPN 2201 Intermediate Spanish Language and Civilization II** 3 hrs
   - **SPN 3300 Advanced Spanish Grammar and Composition** 3 hrs
   - **SPW 3100 Survey of Spanish Literature I** 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.

   **Lifelong Learning Track**
   - **MHS 2330 Career Planning** 3 hrs
   - **Select 1:**
     - **EDF 2130 Child and Adolescent Development for Educators** 3 hrs
     - **EDP 2270 Adult Development & Learning** 3 hrs

   **4. Core Requirements: Advanced Level** (57 hrs)

   - Education Track requires 60 semester hours
   - Lifelong Learning Track requires 57 semester hours

   **Education Core Requirements** (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
   - **EEX 4242 Teaching Exceptional Students in Secondary Settings** 3 hrs
   - **EED 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools** 3 hrs

   1 Pre-requisite for Internship I (Education Track)
   2 Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

   **Education Track Specialization Requirements** (21 hrs)
   - **FLE 4333 Foreign Language Teaching in the Secondary School** 3 hrs
   - **FLE 4314 Foreign Language Teaching in Elementary Schools** 3 hrs
   - **SPN 3760 Advanced Spanish Oral Communication** 3 hrs
   - **SPW 3101 Survey of Spanish Literature II** 3 hrs
   - **SPN 3344 Advanced Spanish Native Fluency I** 3 hrs
   - **SPN 3345 Advanced Spanish Native Fluency II** 3 hrs
   - **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)

   - Florida College System institution transfer students may substitute lower division restricted electives.
   - Select two upper division Spanish courses (SPN 3/4XXX) 6 hrs with advisor’s consent. The following courses are recommended:
     - **SPN 4410 Advanced Spanish Conversation** 3 hrs
     - **SPN 4421 Advanced Spanish Composition** 3 hrs
     - **SPN 4510 Spanish Civilization and Culture** 3 hrs
### UCF Degree Programs

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<th>Requirement</th>
<th>Hours</th>
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<td>Other Cognate Requirements</td>
<td>3 hrs</td>
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<td><strong>Select 1:</strong></td>
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<tr>
<td>SPN 3852  Bilinguismo or</td>
<td>3 hrs</td>
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<td>SPN 4800  Spanish-American Syntax or</td>
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<td>SPN 4801  Spanish Morphosyntax</td>
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<td><strong>Internship I</strong></td>
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<td>Program Internship I Prerequisites:</td>
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<td>EDG 4410  Teaching Strategies and Classroom</td>
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<td>Program Internship II Prerequisites:</td>
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<td>Internship II Block</td>
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<td>Internship I</td>
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<td>Lifelong Learning Track Specialization</td>
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<td>Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.</td>
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<td>A grade of &quot;C-&quot;(1.75) or better is required.</td>
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<td>Must have a total of 48 or more hours of upper level courses to graduate.</td>
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<tr>
<td>SPN 3760  Advanced Spanish Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td>SPN 3101  Survey of Spanish Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3344  Advanced Spanish Native Fluency I</td>
<td>3 hrs</td>
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<tr>
<td>SPN 3345  Advanced Spanish Native Fluency II</td>
<td>3 hrs</td>
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<tr>
<td>SPN 4520  Latin American Civilization and Culture</td>
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<tr>
<td>SPN 4410  Advanced Spanish Conversation</td>
<td>3 hrs</td>
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<td>SPN 4421  Advanced Spanish Composition</td>
<td>3 hrs</td>
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<tr>
<td>SPN 4510  Spanish Civilization and Culture</td>
<td>3 hrs</td>
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<tr>
<td>SPN 3852  Bilinguismo</td>
<td>3 hrs</td>
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<tr>
<td>SPN 4800  Spanish-American Syntax</td>
<td>3 hrs</td>
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<td>SPN 4801  Spanish Morphosyntax</td>
<td>3 hrs</td>
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<tr>
<td>Upper division electives (SPN 34/XXX with advisor's consent)</td>
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<tr>
<td>FLE 4333  Foreign Language Teaching in the</td>
<td>3 hrs</td>
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<td>Secondary School</td>
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<tr>
<td>FLE 4314  Foreign Language Teaching in Elementary</td>
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<td>Schools</td>
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<tr>
<td>EDG 4941  Directed Field Experience</td>
<td>1 hr</td>
</tr>
<tr>
<td>EDG 4948  Service Learning</td>
<td>3 hrs</td>
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<tr>
<td>DIG 2030C  Digital Video Fundamentals</td>
<td>3 hrs</td>
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<tr>
<td>DIG 3525  Digital Media Production I</td>
<td>3 hrs</td>
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<tr>
<td>DIG 2109C  Digital Imaging Fundamentals</td>
<td>3 hrs</td>
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<tr>
<td>DIG 2500C  Fundamentals of Interactive Design</td>
<td>3 hrs</td>
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<tr>
<td>DIG 3811  User-Centered Design</td>
<td>3 hrs</td>
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<tr>
<td>DEP 2004C  Developmental Psychology</td>
<td>3 hrs</td>
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<tr>
<td>DEP 3202  Psychology of Exceptional Children</td>
<td>3 hrs</td>
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<tr>
<td>DEP 3464  Psychology of Aging</td>
<td>3 hrs</td>
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<tr>
<td>EXP 3604C  Cognitive Psychology</td>
<td>4 hrs</td>
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<tr>
<td>EXP 3250  Principles of Human Factors Psychology</td>
<td>3 hrs</td>
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<tr>
<td>EAB 3703C  Principles of Behavior Modification</td>
<td>4 hrs</td>
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<tr>
<td>MAN 3025  Management of Organizations</td>
<td>3 hrs</td>
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<tr>
<td>MAN 4101  Human Relations in Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3023  Marketing</td>
<td>3 hrs</td>
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<tr>
<td>ECT 4184  Curriculum Development Techniques for</td>
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<tr>
<td>Industry Training</td>
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</tr>
<tr>
<td>HFT 1000  Introduction to the Hospitality and</td>
<td></td>
</tr>
<tr>
<td>Tourism Industry</td>
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<tr>
<td>HFT 2750  The Event Industry</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3798  Fairs and Festivals</td>
<td>3 hrs</td>
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<td>HFT 4754  Exhibit and Trade Show Operations</td>
<td>3 hrs</td>
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<tr>
<td>COM 3311  Communication Research Methods</td>
<td>3 hrs</td>
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<tr>
<td>COM 3330  Computer Mediated Communication</td>
<td>3 hrs</td>
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<tr>
<td>COM 4461  Intercultural Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1603C  Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
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<tr>
<td>SPC 3301  Interpersonal Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 3425C  Group Interaction and Decision-Making</td>
<td>3 hrs</td>
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<tr>
<td>SPC 3445  Leadership Through Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td>SPC 4331  Nonverbal Communication</td>
<td>3 hrs</td>
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</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.

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year - Fall</td>
<td>12 hrs</td>
<td>GEP B1 Elective</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>MGF 1106 Finite Mathematics</td>
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<tr>
<td></td>
<td></td>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Freshman Year - Spring</td>
<td>12 hrs</td>
<td>GEP B3 Elective ( Prefer course from section B1)</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>PSC 1121 Physical Science</td>
<td>3 hrs</td>
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<tr>
<td>Freshman Year - Summer</td>
<td>6 hrs</td>
<td>SPN 2201 Intermediate Spanish Language and Civilization II</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>Select 1:</td>
<td>MUL 2010 Enjoyment of Music or</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>THE 2000 Theatre Survey or</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHI 2010 Introduction to Philosophy</td>
<td>3 hrs</td>
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<tr>
<td>Sophomore Year - Fall</td>
<td>15 hrs</td>
<td>EDF 2005 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
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<td></td>
<td></td>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>SPN 3300 Advanced Spanish Grammar and Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Select 1:</td>
<td>STA 2014C Principles of Statistics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STA 1063C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Education Track</td>
<td>3 hrs</td>
<td>EDF 2130 Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Lifelong Learning Track</td>
<td>3 hrs</td>
<td>EDF 2130 Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>EDF 2270 Adult Development &amp; Learning</td>
<td>3 hrs</td>
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<tr>
<td>Sophomore Year - Spring</td>
<td>12 hrs</td>
<td>EDF 2085 Introduction to Diversity for Educators</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>EME 2040 Introduction to Technology for Educators</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>SPN 3420 Spanish Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Select 1:</td>
<td>BSC 1005 Biological Principles or</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ANT 2511 The Human Species</td>
<td>3 hrs</td>
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<tr>
<td>Sophomore Year - Summer</td>
<td>3 hrs</td>
<td>SPW 3100 Survey of Spanish Literature I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year - Fall
- EDF 4410 Teaching Strategies and Classroom Management: 3 hrs

#### Education Track
- SPN 3344 Advanced Spanish Native Fluency I: 3 hrs
- SPN 3760 Advanced Spanish Oral Communication: 3 hrs
- SPW 3101 Survey of Spanish Literature I: 3 hrs
- SPN 4520 Latin American Civilization and Culture: 3 hrs

#### Lifelong Learning Track
- Choose Lifelong Learning Specialization courses: 12 hrs

#### Junior Year - Spring
- EDF 4467 Learning Theory and Assessment: 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

#### Education Track
- FLE 4314 Foreign Language Teaching in Elementary Schools: 3 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School: 3 hrs

#### Lifelong Learning Track
- Choose Lifelong Learning Specialization courses: 6 hrs

1. This course may be taken in the Fall of the senior year with consent of Instructor.

#### Senior Year - Fall
- EEX 4242 Teaching Exceptional Students in Secondary Settings: 3 hrs

#### Education Track
- FLE 3940 Internship: 3 hrs

#### Select 1:
- SPN 4403 Advanced Spanish Conversation: 3 hrs
- SPN 4421 Advanced Spanish Composition: 3 hrs
- SPN 4510 Spanish Civilization and Culture: 3 hrs

#### Lifelong Learning Track
- Choose Lifelong Learning Specialization courses: 6 hrs

#### Senior Year - Spring
- FLE 4941 Internship: 12 hrs

#### Lifelong Learning Track
- Choose Lifelong Learning Specialization courses: 12 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term
UCF Degree Programs

Writing and Rhetoric (B.A.)
College of Arts and Humanities
Department of Writing and Rhetoric
Email: writingandrhetoric@ucf.edu
Dr. Blake Scott, Director, bscott@ucf.edu, 407-823-1057
Adele Richardson, Program Advisor, Adele@ucf.edu, 407-823-0349

The Bachelor of Arts degree in Writing and Rhetoric provides students with in-depth training in the interrelated fields of writing, rhetorical, and literacy studies, preparing them for a range of writing-focused jobs that involve the analysis, creation, editing, adaptation, and/or coordination of written, digital, and multimedia texts.

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 course used to fulfill the requirements of the 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 Writing and Rhetoric Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students must earn a minimum 2.5 GPA in coursework used to satisfy the major and a minimum 2.0 GPA across all attempts of courses that could be used to satisfy the major.

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: PHI 2010 Introduction to Philosophy 3 hrs
     Select one course from B.1 list 3 hrs
     Select one course from B.2 list 3 hrs
   - C: Mathematical Foundations (6 hrs)
     Prefer: MAT 2023 Calculus I: Differentiation 3 hrs
   - D: Social Foundations (6 hrs)
     Prefer: AH 2020 U.S. History: 1877-Present 3 hrs
   - E: Science Foundations (6 hrs)
   - 2. Common Program Prerequisites (CPP)
     ENC 1101 Composition I GEP
     ENC 1102 Composition II GEP

3. Core Requirements: Basic Level (9 hrs)
   - Students should take these courses as early in the program as possible.
     ENC 3331 Rhetoric and Civic Engagement 3 hrs
     ENC 3502 Researching Writing and Literacy 3 hrs
     ENG 3836 Professional Lives and Literacy Practices 3 hrs

4. Core Requirements: Advanced Level (6 hrs)
   - Extending Theories and Histories of Writing, Rhetoric, and Literacy
     Students must take at least 6 hours from this category.
     ENC 3373 Cultural Rhetorics 3 hrs
     ENC 4374 Gendered Rhetorics 3 hrs
     ENC 4434 Visual and Material Rhetorics 3 hrs
     ENC 3417 Literacy and Technology 3 hrs
     ENC 3521 Writing Across Difference 3 hrs
     ENC 3315 Argumentative Writing 3 hrs
     ENC 3503 Topics in Writing & Literacy Studies 3 hrs

5. Restricted Electives (18 hrs)
   - Applications of Writing and Rhetoric
     Students must take at least 9 hours of courses from the Civic and Cultural Writing and Rhetoric and Professional and Digital Writing clusters; these 9 hours can come from either or both clusters.

Civic and Cultural Writing and Rhetoric
   ENC 3311 Essay as Cultural Commentary 3 hrs
   ENC 3372 Topics in Civic Rhetoric and Writing 3 hrs
   ENC 3375 Rhetoric in Popular Culture 3 hrs
   ENC 4353 Writing for Social Change 3 hrs
   ENC 4354 Writing with Communities and Nonprofits 3 hrs
   ENC 4378 Writing in Global and Transnational Contexts 3 hrs

Professional and Digital Writing
   ENC 3250 Professional Writing 3 hrs
   ENC 3351 Writing for Publication 3 hrs
   ENC 3433 Multimedia Writing and Composition 3 hrs
   ENC 4353 Writing About Health and Medicine 3 hrs
   ENC 4354 Topics in Professional and Digital Writing 3 hrs
   ENC 4355 Writing about Science and Technology 3 hrs
   ENC 4212 Professional Editing 3 hrs
   ENC 4416 Writing in Digital Environments 3 hrs
   ENG 3833 Marketing Your Writing 3 hrs

Writing Practicums 3 hrs
   - Choose one of the following three courses.
     ENC 4275 Theory and Practice of Tutoring Writing 3 hrs
     ENC 4373 Writing in Disciplinary Cultures 3 hrs
     ENC 4944 Writing Internship 3 hrs

Advised Electives 6 hrs
   - Choose from any DWR 3000 or 4000 level courses not otherwise used to satisfy major requirements, and/or choose from among any approved upper-level, writing-intensive courses in another department.

6. Capstone Requirements (3 hrs)
   ENC 4379 Writing and Rhetoric Capstone 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.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside of the department.

9. Additional Requirements
   - None

10. Required Minors
    - Students must complete a minor, certificate, or approved program of study (at least 18 hours). A minor and/or certificate from the Department of Writing and Rhetoric cannot be used to satisfy this requirement.
    - Can be Minor, Certificate, or Approved Area of Study 18 hours minimum.
    - No more than 6 hours can overlap with courses used to satisfy the major.
    - Can be a UCF minor or an interdisciplinary set of courses tailored to the student’s professional goals and approved by a program advisor.

11. Departmental Exit Requirements
    - Students must complete an electronic writing portfolio that meets program requirements. This e-portfolio will be completed as part of ENC 4379 (Writing and Rhetoric Capstone), and must be approved by the student’s ENC 4379 instructor and the program director or designee.
    - Computer competency met by completion of major.

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

Total Semester Hours Required
• 120

Honors In Major
• Application and admission through the Writing and Rhetoric Degree Programs Office and the Burnett Honors College.
• Fulfill University requirements for Honors in the Major.
• Successful completion and oral defense of Honors thesis.

Related Programs
• Interdisciplinary Studies

Certificates
• Health Communication

Related Minors
• Legal Studies
• Education
• Digital Media
• History
• Political Science
• Interpersonal/Organizational Communication
• Journalism Studies
• Magazine Journalism
• Marketing
• Mass Communication
• Public Administration
• Nonprofit Management/National Certification in Nonprofit Management
• Information Technology
• Entrepreneurship
• International and Global Studies
• English - Creative Writing
• English - Linguistics
• English - Literature
• English - Technical Communication

Advising Notes
• None

Transfer Notes
• Transfer courses in which students earned lower than a “C” (2.0) will not be accepted.
• Lower-level courses taken at community or state colleges do not substitute for upper-level courses.
• Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
• None

Plan of Study

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
POS 2041 American National Government 3 hrs
GEP 3 hrs
GEP 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Fall 16 hrs
PHI 2010 Introduction to Philosophy 3 hrs
GEP 3 hrs
Core Course 3 hrs
Foreign Language Course 4 hrs
Course in Minor/Certificate/Program of Study 3 hrs

Sophomore Year - Spring 16 hrs
Core Course 3 hrs
Core Course 3 hrs
Core Course 3 hrs
Foreign Language Course 4 hrs
Course in Minor/Certificate/Program of Study 3 hrs
Elective 3 hrs

Junior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Course in Minor/Certificate/Program of Study 3 hrs
Elective 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Course in Minor/Certificate/Program of Study 3 hrs
Elective 3 hrs

Senior Year - Fall 15 hrs
ENC 4944 Writing Internship 3 hrs
Advised Elective 3 hrs
Course in Minor/Certificate/Program of Study 3 hrs
Elective 3 hrs
Elective 3 hrs

Senior Year - Spring 12 hrs
ENC 4379 Writing and Rhetoric Capstone 3 hrs
Advised Elective 3 hrs
Elective 3 hrs
Elective 3 hrs

Program Academic Learning Compacts
• Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/academiclearningcompacts.html
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
- Economics
- Education
- Emergency Management and Homeland Security
- 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
- Florida Studies
- French
- Global Peace and Security Studies
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- History
- Hospitality Management
- Human Communication
- Human Services
- Humanities and Cultural Studies
- Information Technology
- Intelligence and National Security
- 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
- Nanoscale Science and Technology
- Nonprofit Management/National Certification in Nonprofit Management
- North American Indian Studies
- Performing Arts Administration
- Philosophy
- Physics
- Political Science
- Political Science/Prelaw
- Psychology
- Public Administration
- Real Estate
- 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
- Terrorism Studies
- Theatre
- Urban and Regional Planning
- Women’s and Gender 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
- Anthropology of Global Health 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
- Engineering Leadership Certificate
- Entrepreneurship Certificate
- Finance: Banking Certificate
- Finance: Corporate Finance Certificate
- Finance: Investments Certificate
- Gender Studies Certificate
- Health Communication Certificate
- Human Biology Certificate
- Judaic Studies Certificate
- Language Development and Disorders Certificate
- Leadership Studies Certificate
- Native American Studies Certificate
- Nonprofit Management Certificate
- Professional Selling and Sales 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
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

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.
- 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 toward the minor.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Actuarial Science - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

Minor Admission Requirements
- Students need to complete the prerequisite courses.

Minor Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
- Students are expected to have completed some of the following courses as part of their GEP requirement.

ECO 2033 Principles of Microeconomics 3 hrs
ECO 2034 Principles of Macroeconomics 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
MAC 2312C Calculus with Analytic Geometry II 4 hrs
MAC 2313C Calculus with Analytic Geometry III 4 hrs
STA 2023C Statistical Methods I 3 hrs
STA 2163C Statistical Methods II 3 hrs
STA 2164C Statistical Methods III 3 hrs
STA 4231C Statistical Theory I 3 hrs
STA 4232C Statistical Theory II 3 hrs

Required Courses (21 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- MAC 2312C Calculus with Analytic Geometry II 4 hrs
- MAC 2313C Calculus with Analytic Geometry III 4 hrs
- STA 2023C Statistical Methods I 3 hrs
- STA 2163C Statistical Methods II 3 hrs
- STA 2164C Statistical Methods III 3 hrs
- STA 4231C Statistical Theory I 3 hrs
- STA 4232C Statistical Theory II 3 hrs

Restricted Electives
- No additional courses are required.

Foreign Language Requirements
- No Foreign Language is required.

Total Semester Hours Required
- 21

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, Classroom Building 2, Room: 221
Colonel Todd M. Lance Kildron
Phone: 407-823-1247

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (16 hrs)
- AFR 1101C The Air Force Today I 1 hr
- AFR 1111C The Air Force Today II 1 hr
- AFR 2130C The Development of Air Power I 1 hr
- AFR 2131C The Development of Air Power II 1 hr
- AFR 3220C Air Force Leadership and Management I 3 hrs
- AFR 3230C Air Force Evaluation and Management II 3 hrs
- AFR 4201C National Security Affairs and Prep for Active Duty I 3 hrs
- AFR 4210C National Security Affairs and Prep for Active Duty II 3 hrs
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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3102</td>
<td>Introduction to Africana Studies: A Multidisciplinary Approach</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3104</td>
<td>The Black Intellectual Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3008</td>
<td>The African Diaspora: Theories and Movements</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>AFA 4242</td>
<td>Contemporary Issues in Africana Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 4105</td>
<td>Documenting Africana Heritage and Life</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives

- 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

- Select two from the following
  - AML 3613 Narratives of Slavery or History
  - ANT 3319 Slavery, Resistance, and Cultural Dynamics
  - FIL 3831 Black Cinema or
  - INR 3250 Politics of Pan-Africanism or
  - LAS 4023 African Caribbean Experience or
  - LIT 3192 Caribbean Literature or
  - SOP 3724 Psychology of Prejudice or
  - SYD 3700 Race and Ethnicity or
  - WST 3460 Women, Race and Struggle or
  - POT 4345 Pan-Africanist Thought

Caribbean/Central, South America

- Select two from the following
  - AFA 3955 Study Abroad in Eastern Caribbean or
  - AML 3615 Harlem, Haiti, and Havana or
  - ANT 4340 Caribbean Cultures or
  - FIL 3831 Black Cinema or
  - LAH 3470 History of the Caribbean or
  - LAS 4023 African Caribbean Experience or
  - LIT 3192 Caribbean Literature

North American

- Select two from the following
  - AFA 2300 African American Music or
  - AFA 3371 Evolution of Hip Hop or
  - AFA 3420 Malcolm X, Black Nationalism, and Internationalism or
  - AMH 3403 History of the South Since 1865 or
  - AMH 3572 Black American History II or
  - AML 3613 Narratives of Slavery or
  - AML 3614 Topics in African-American Literature or
  - AML 3615 Harlem, Haiti, and Havana or
  - ANT 3398 Black/Semilone Relations or
  - FIL 3831 Black Cinema or
  - MUL 2016 Evolution of Jazz or
  - PHP 3761 African-American Philosophy or
  - POS 4622 Politics and Civil Rights or
  - PUP 3314 Minorities in American Politics

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 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 the approval of the program coordinator.
- All minors are required to attend an orientation session at the 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 and Public Affairs, 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 courses.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
- None

Required Courses (6 hrs)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs

Select One:
- HSA 4941 Internship 3 hrs
- PSY 3951 Undergraduate Field Work 3 hrs
- SYP 4941 Internship 3 hrs
- 1 SOW 4510 Field Education 9 hrs
- 2 SOW 4941 Internship 9 hrs

1 For full-time social work majors. Cannot be used with SOW 4941.
2 For part-time social work majors. Cannot be used with SOW 4510.

Restricted Electives (12 hrs)
- Students select FOUR additional courses from the following courses: A maximum of TWO courses must be taken in the College of Health and Public Affairs and at least TWO courses must be taken from other colleges.

College of Health and Public Affairs
- HSA 4220 Long Term Patient Management 3 hrs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 9 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs

Other Colleges
- DEP 3464 Psychology of Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- 1 GEY 5007 Women and Healthy Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs

1 Open to undergraduates with senior standing

Foreign Language Requirements
- None

Total Semester Hours Required
- 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
Colbourn Hall, Room: 201
http://www.cah.ucf.edu/
Delia Garcia, Delia.Garcia@ucf.edu
Phone: 407-823-3312

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 AML 4101 American Novel or AML 4261 Literature of the South or AML 3682 Ethnic Literature in America 3 hrs

Social Sciences 3 hrs
  - Select 1: 3 hrs
  - POS 3413 The American Presidency or POT 3204 American Political Thought or SYD 3700 Race and Ethnicity or SYP 3630 Popular Culture In Society 3 hrs

History 3 hrs
  - Select 1: 3 hrs
  - AMH 3561 Women in American History I or AMH 4110 Colonial America, 1607-1763 or AMH 4130 The Age of the American Revolution, 1763-1789 or AMH 4311 American Culture I or AMH 4313 American Culture II 3 hrs

Restricted Electives (9 hrs)
- 9 additional upper level hours. Select courses not already used from lists above.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least 15 credit hours must be earned in upper level credits.
- 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.
- No more than 6 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 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

#### A. Concentration in General Anthropology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2140</td>
<td>Archaeology and the Rise of Human Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology: Global Perspectives, Local Contexts</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### B. Concentration in Archaeology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2140</td>
<td>Archaeology and the Rise of Human Culture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Complete at least four of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3106</td>
<td>Archaeology and Popular Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3115</td>
<td>Archaeological Method and Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3142</td>
<td>Old World Prehistory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3148</td>
<td>Life and Death in Ancient Egypt or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3152</td>
<td>Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3156</td>
<td>Florida Archaeology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3160</td>
<td>Americas Before Columbus or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3161</td>
<td>Ancient Mexico: Aztec to Zapotec or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3163</td>
<td>Mesoamerican Archaeology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3165</td>
<td>Archaeology of South America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3168</td>
<td>Maya Archaeology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3173</td>
<td>Archaeology of Sex or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3177</td>
<td>Archaeology of Caribbean Piracy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4153</td>
<td>North American Archaeology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4150C</td>
<td>Seminar in Laboratory Analysis or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4150</td>
<td>Seminar in Laboratory Analysis or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4183</td>
<td>Archaeological Sciences or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4184</td>
<td>Mortuary Archaeology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4824</td>
<td>Advanced Archaeological Fieldwork or</td>
<td>9 hrs</td>
</tr>
<tr>
<td>ANG 5165</td>
<td>Maya Osteology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5228</td>
<td>Maya Iconography or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5822</td>
<td>Maya Field Research</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### C. Concentration in Physical Anthropology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select from the following courses:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANT 3146</td>
<td>Life and Death in Ancient Egypt or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3541</td>
<td>Biobehavioral Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3550C</td>
<td>Primatology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4183</td>
<td>Archaeological Sciences or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4184</td>
<td>Mortuary Archaeology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4462</td>
<td>Medical Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4467</td>
<td>Nutritional Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4516</td>
<td>Human Biological Diversity or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4521</td>
<td>Forensic Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4525C</td>
<td>Human Osteology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ANT 4560</td>
<td>Birth to Death: Anthropological Perspectives on Human Growth or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4586C</td>
<td>Human Origins</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### D. Concentration in Cultural Anthropology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology: Global Perspectives, Local Contexts</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select from the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3152</td>
<td>Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples of the World or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3241</td>
<td>Magic, Ritual, and Belief or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3262</td>
<td>Rural Society or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3273</td>
<td>Law and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3311</td>
<td>Indians of the Southeastern United States or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3312</td>
<td>Ethnology of North American Indians or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3313</td>
<td>Indians of North America High Plains or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

### Anthropology in Multicultural Studies - Minor

#### College of Sciences

Department of Anthropology,

Howard Phillips Hall, Room: 309

http://www.cos.ucf.edu/anthropology

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology: Global Perspectives, Local Contexts</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives

- Select from the following. Substitutions require prior consent of the Anthropology Coordinator.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples of the World</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3241</td>
<td>Magic, Ritual, and Belief</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Art - Studio - 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
- 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
- Six semester hours of studio art in one area of specialization at the 3000-4000 level (6 hrs)

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.

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.
- Students must have a grade of C- or better in all courses required for minor.

Prerequisite Courses
- None

Required Courses
- EDS 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)
- 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
Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(15 hrs)

Select 4:
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- ARH 4310 Italian Renaissance Art or 3 hrs
- ARH 4430 19th Century Art or 3 hrs
- ARH 4450 20th Century Art or 3 hrs

Non-Western/Ancient Course Requirement

- 3 hrs

Select 1:
- ARH 3670 20th Century Latin American Art or 3 hrs
- ARH 4130 Greek Art and Architecture or 3 hrs
- ARH 4150 Roman Art and Architecture or 3 hrs
- ARH 4540 Art of India or 3 hrs
- ARH 4653 Meso American Art or 3 hrs

Restricted Electives

(3 hrs)

Select 1:
- ARH 4200 Medieval Art or 3 hrs
- ARH 4350 Baroque Art or 3 hrs
- ARH 4800 Theory and Criticism of the Visual Arts or 3 hrs
- ARH 4871 Women in Art 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 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.
- Co-op, Independent Study, Directed Research, or Internship credit cannot be used in the minor.

Asian Studies - Minor

College of Arts and Humanities

Department of Modern Languages and Literatures, Colbourn Hall, Room: 523

http://www.mll.cah.ucf.edu/

Dr. Humberto Lopez, hlopez@ucf.edu, 407-823-2472

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(3 hrs)
- HUM 3401 Asian Humanities or 3 hrs

Restricted Electives

(15 hrs)

- ARH 3351 Art of China or 3 hrs
- ARH 3352 Art of Japan or 3 hrs
- ARH 3353 Art of Korea or 3 hrs
- ARH 3354 Art of South Asia or 3 hrs
- ARH 4350 Asian Art or 3 hrs
- ARH 4653 Meso American Art or 3 hrs
- ARH 4860 Theory and Criticism of the Visual Arts or 3 hrs
- ARH 4871 Women in Art or 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least 12 hours must be earned in upper level credits.
- At least 12 hours must be used in the minor.
- 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.
- Requirement for the minor is 18-20 credits.

Astronomy - Minor

College of Sciences

Department of Physics, Physical Sciences, Room: 430

Email: physics@ucf.edu

Dr. Humberto Campins

Phone: 407-823-2325

Minor Admission Requirements

- The minor is not open to Physics majors with an Astronomy specialization.

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

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.
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 (19 hrs)
- AST 2012 Astronomy 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- AST 4152 Planetary Geophysics 3 hrs
- AST 3211 Stellar Astrophysics 3 hrs
- AST 3402 Galaxies and Cosmology 3 hrs
- AST 4700 Experimental Methods in Astronomy 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Bioengineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu/minors/bioengineering
Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-5778
Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Health and Pre-Law Advising. 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 bachelors of science degree in computer science at UCF.

Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school unweighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (35 hrs)
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- EGN 4941 Internship 1 hr

Restricted Electives (6 hrs)
- Students will select either the Engineering Track or Computer Science Track to define their elective choices.

Engineering Track
- 6 hrs
- Select 1: 3 hrs
  - EMA 5584 Biomaterials or 3 hrs
  - EML 5760 Bioluminescence or 3 hrs
  - EEE 5272 Biomedical Sensors or 3 hrs
  - EES 4111C Biological Process Control or 3 hrs
  - EIN 5248C Ergonomics or 3 hrs
- Select 1: 3 hrs
  - CAP 5512 Evolutionary Computation or 3 hrs
  - BIC 5567B Bioinformatics or 3 hrs

Computer Science Track
- 6 hrs
- Select 1: 3 hrs
  - PCB 3063 Genomics or 3 hrs
- Select 1: 3 hrs
  - EEM 5248B Evolutionary Computation or 3 hrs

Other Requirements
- None

Total Semester Hours Required
- 41

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.

Biology - Minor
College of Sciences
Department of Biology, Biology, Room: 301
http://www.cos.ucf.edu/biology
Email: biology@ucf.edu
Phone: 407-823-2141

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (35 hrs)
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- PCB 3063 Genomics or 3 hrs
- EEM 5248B Evolutionary Computation or 3 hrs

Foreign Language Requirements
- None
Minors

Prerequisite Courses
Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (31 hrs)
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2040 Chemistry Fundamentals IA 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs

Restricted Electives
None

Foreign Language Requirements
None

Total Semester Hours Required
31

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Biomedical Sciences - Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, 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 3253L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- Select 1: 3 hrs
  - PCB 3253 Immunology or 3 hrs
  - PCB 4260 Molecular Immunology 3 hrs

Restricted Electives (7 hrs)
- At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Foreign Language Requirements
None

Total Semester Hours Required
30

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the department of Chemistry, with a minimum GPA of 2.0.

Chemistry - Minor
College of Sciences
Department of Chemistry, Physical Sciences, Room: 255
http://www.cos.ucf.edu/chemistry
Email: chemstaff@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
- CHM 2040 Chemistry Fundamentals IA 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

Restricted Electives (6 hrs)
- CHM 2040 Chemistry Fundamentals IA 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
### Required Courses (22 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 204RL Chemistry Fundamentals Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2210 Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2211 Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2211L Organic Laboratory Techniques I</td>
<td>2</td>
</tr>
<tr>
<td>CHM 3120 Analytical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 3120L Analytical Chemistry Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

### Restricted Electives (8 hrs)

- At least one course must be selected from group I and the remaining from group I and/or II

#### Group I: Select at least one course

- BCH 4103L Biochemical Methods 2 hrs
- CHS 3530C 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
- CHM 4220 Organic Chemistry III 3 hrs
- CHM 5225 Advanced Organic Chemistry 3 hrs
- CHM 5235 Applied Molecular Spectroscopy 3 hrs
- CHM 5450 Polymer Chemistry 3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 28

### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### Coaching Minor

#### College of Education and Human Performance

<table>
<thead>
<tr>
<th>Minor Admission Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Have a minimum 2.5 overall GPA</td>
</tr>
</tbody>
</table>

#### Minor Requirements

- None

#### Prerequisite Courses

- BSC 2010C Biology I (or equivalent) 4 hrs

#### Required Courses (22 hrs)

- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs

### Select 1:

- PEO 3624 Coaching Basketball 3 hrs
- PEO 3644 Coaching Football 3 hrs
- PEO 3324 Coaching Volleyball 3 hrs
- PEO 3514C Coaching Soccer 3 hrs

#### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 22

### 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 toward the minor.
- Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.
- ZOO 2736C or equivalent is a prerequisite for ATR 4132.

## 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

- Note: It is the student’s responsibility to complete satisfactorily all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

### Required Courses (12 hrs)

- Foundation Courses
- Select from at least 4 subject areas.

#### Neuroscience

- PSB 3002 Physiological Psychology or 3 hrs
- PSB 4240C Neuropsychology or 4 hrs
- ZOO 3744 Neurobiology 3 hrs

#### Philosophy

- PHI 3320 Philosophy of Mind or 3 hrs
- PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
- PHI 3451 Philosophy of Psychology or 3 hrs
## Minors

**Psychology**
- EXP 3204C Perception or 3 hrs
- EXP 3604C Cognitive Psychology or 4 hrs
- EXP 4507C Advanced Human Memory and Cognition 3 hrs

**Computer Science and Information**
- 3 hrs

**Technology**
- CAP 4453 Robot Vision or 3 hrs
- CAP 4630 Artificial Intelligence or 3 hrs
- EEL 3531 Information Theory or 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 4 hrs

**Language and Linguistics**
- 3 hrs

**Restricted Electives**
- Select two additional courses from the above Foundation Courses or from the following list.
- **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
  - CAP 5512 Evolutionary Computation or 3 hrs
  - COP 4520 Concepts of Parallel and Distributed Processing or 3 hrs
  - EXP 3204C Perception or 4 hrs
  - LIN 4711L Language Analysis Lab 2 hrs
  - LIN 4711 Language Analysis 3 hrs
  - MAP 4103 Mathematical Modeling I or 3 hrs
  - PHI 2101 Formal Logic I or 3 hrs
  - PHI 2104 Critical Thinking or 3 hrs
  - PHI 3626 Advanced Ethics in Science and Technology or
  - PHI 4321 Philosophies of Embodiment: Mind/Body/Self or
  - PHI 4500 Metaphysics or 3 hrs
  - PSY 4025 The Psychology of Art or 3 hrs
  - PSY 5215 Research Methods in Psychology 5 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 36

**Other Requirements**
- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- 15 hours must be taken at the upper division.
- No more than 9 credit hours may be used both toward credit for a major and the cognitive sciences 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.

## Communication Sciences and Disorders - Minor
### College of Health and Public Affairs
#### Department of Communication Sciences and Disorders,
Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/csd
Email: csdundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
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
- 1 LIN 3716 Language Development 3 hrs
- 1 LIN 3716L 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

1 LIN 3713 is a prerequisite.

#### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 24

### Other Requirements
- A minimum grade of "C-" (1.75) is required in all courses used to satisfy the minor.
- Students must earn an overall minimum of 2.0 GPA in the courses used to complete 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.

## 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
between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- 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
- Select from the following: 12 hrs
  - SYP 3510  Sociology of Deviant Behavior  3 hrs
  - SYP 3511  Sociology of Murder  3 hrs
  - SYP 3530  Juvenile Delinquency  3 hrs
  - SYP 3540  Sociology of Law  3 hrs
  - SYP 3562  Patterns of Domestic Violence in Society  3 hrs
  - SYP 4514  Patterns of Violence in Society  3 hrs
  - SYP 4521  Crime Victims in Society  3 hrs
  - SYP 4536  Gangs and Society  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Criminal Justice - Minor
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Cory Watkins, 407-823-2603

Minor Admission Requirements
- None

Minor 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.

Prerequisite Courses
- None

Required Courses
- CCJ 3024  Criminal Justice System  3 hrs
- CCJ 3014  Crime in America  3 hrs

Restricted Electives
- Select from the following: 12 hrs
  - CJC 3010  Prosecution and Adjudication or 3 hrs
  - CJE 4014  Police and Society  3 hrs
  - CJE 3510  Corrections and Penology or 3 hrs

Select 2: 6 hrs
- Six semester hours of Criminal Justice courses (selected with aid of an advisor)

Foreign Language Requirements
- None
Minors

Total Semester Hours Required
- 18

Other Requirements
- 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: T210A
http://theatre.cah.ucf.edu/
Judi Siegfried, Judi.Siegfried@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 3884 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 3524C Tap Dance II 2 hrs
- DAA 2201C Ballet II 2 hrs
- DAA 3208C Ballet III 2 hrs
- DAA 2101C Modern Dance II 2 hrs
- DAA 2300C World Dance 2 hrs
- DAA 3645 Choreography Practicum 2 hrs
- DAA 3684 Dance Performance 1 hr
- TPA 2290L Theatre Participation-Production I 1 hr
- TPP 2100L Theatre Participation-Performance I 1 hr
- THE 2090L Theatre Participation-Management I 1 hr
- DAA 3004L Dance Studio 1 hr
- DAA 3508C Jazz Dance III 2 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Digital Humanities - Minor

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Dr. Mark Kamrath
Phone: 407-823-5596

Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- HUM 3830 Introduction to Digital Humanities 3 hrs
- DIG 3171 Tools for Digital Humanities 3 hrs

Restricted Electives (12 hrs)
- Select two from the following:
  - CRW 3713 Writing for Video Games or 3 hrs
  - DIG 4704 Interactive Entertainment or 3 hrs
  - DIG 4855 Converging Media Capstone or 3 hrs
  - ENC 4416 Writing in Digital Environments or 3 hrs
  - ENG 3817 Digital Archives or 3 hrs
  - ENC 4414 Writing and Hypertext or 3 hrs
  - ENC 4290 Usability Testing for Technical Communication

Theory and Critique 6 hrs
- Select two from the following:
  - AMH 4644 Viewing American History in the Twentieth Century or 3 hrs
  - DIG 3024 Digital Cultures & Narrative or 3 hrs
  - ENC 3417 Literacy and Technology or 3 hrs
  - HIS 4150 History and Historians or 3 hrs
  - PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
  - PHI 3625 Virtual Ethics or 3 hrs
  - PHI 3626 Advanced Ethics in Science and Technology

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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
Diplomacy - Minor
College of Sciences
College of Arts and Humanities
Department of Political Science,
Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Department of History, Colbourn Hall, Room: 551
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

Other Requirements
■ A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a “B” (3.0) or better is required.
■ At least 12 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, cooperative education, or Independent Study credit can be used in the minor only with prior written permission from a school advisor.

Restricted Electives (6 hrs)
■ Select two courses:
■ Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design.

Diversity and Social Inequality - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Elizabeth E. Mustaine, libby@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 cannot be used to satisfy other Sociology minors.

Minor Requirements
■ Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted.
■ At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
SYO 3530 Social Power and Inequality 3 hrs

Required: Complete one of the following: 3 hrs
SYG 2000 Introduction to Sociology or
SYG 2010 Social Problems 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
18
Minors

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
  - SYD 4100 Family Trends 3 hrs
  - SYD 4200 Religion in Society 3 hrs
  - SYD 4010 Women in Contemporary Society 3 hrs
  - SYD 4813 Women, Law and Social Change 3 hrs
  - SY 4454 Global Inequality and Society 3 hrs
  - SY 4732 Minority Aging 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15+ hrs

Other Requirements
- No credit by exam (CLEP, 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/
Email: ece@ucf.edu
Dr. Judy Levin, ED 122L, Judith.Levin@ucf.edu
Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood Development and Education major and does not lead to teacher certification or admission to the College of Education 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
- 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.
- 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

Required Courses (15 hrs)
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs

Restricted Electives (6 hrs)
Choose two:
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs
- EEC 4744 Child Life: Psychosocial Care of Children in Health Settings 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18 hrs

Other Requirements
- None

Economics - Minor

College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics

Dr. David Scrogin, BA 302N, David.Scrogin@ucf.edu,
407-823-4129
Dr. Michael Caputo, BA 302Q, 407-823-1405
Dr. Nora Underwood, BA 302N, 407-823-1403
Phone: 407-823-3266

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 (BS) or Economics (BSBA). Not open to students in the Mathematical Economics concentration of the Mathematics (BS) major.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

Restricted Electives (9 hrs)
Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.
Note: ECO 3401 (or equivalents) is a pre-requisite for the following:
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

Foreign Language Requirements
- None
**Education - Minor**

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership, Education Building, Room: 220B**

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

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

**Required Courses**

- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- EDF 4477 Learning Theory and Assessment (3 hrs)
- EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- RED 4043 Content Reading in Kindergarten through Grade 12 (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESOL in Students in Schools (3 hrs)

**Restricted Electives**

- Select one
  - MAE 4634 Programs in Teaching of Mathematics (3 hrs)
  - SSE 4936 Programs in Teaching Social Science (3 hrs)
  - LAE 4342 Programs in Teaching Language and Composition (3 hrs)
  - LAE 4464 Survey of Adolescent Literature (3 hrs)
  - SCE 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.
- 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.

**Emergency Management and Homeland Security - Minor**

**College of Health and Public Affairs**

**School of Public Administration, Health and Public Affairs II, Room: 238**

[http://www.cohpa.ucf.edu/publicadmin](http://www.cohpa.ucf.edu/publicadmin)

Dr. Claire Knox, claire.knox@ucf.edu, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- 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**

- Select one
  - DSC 4012 Terrorism or Security (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.
Minors

- 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.

Engineering Leadership - Minor
College of Engineering and Computer Science
Dr. Timothy Kotnour, Timothy.Kotnour@ucf.edu, 407-823-5645

Provides a knowledge base in technical leadership and management principles and practices in a technical environment. This certificate is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering and computer science professions.

Minor Admission Requirements
- Students must have a declared Computer Science or engineering major. Not open to students in engineering pending majors.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- LDR 2001 Foundations of Leadership 2 hrs
- LDR 2002 Intermediate Foundations of Leadership 2 hrs
- MAN 3025 Management of Organizations 3 hrs
- PHI 3638 Ethical Issues in the 21st Century 3 hrs
- EGS 3030 Leadership in Engineering I 0 hrs
- EGS 3031 Leadership in Engineering II 0 hrs
- ENT 4183 Engineering Leadership Capstone 3 hrs

Pick one of the following 3 hrs
- MAR 3391 Professional Selling or 3 hrs
- ENT 4183 Technological Entrepreneurship 3 hrs

Restricted Electives (6 hrs)
- Select one course after completing CRW 3013
- CRW 3120 Fiction Writing Workshop 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- CRW 3310 Poetry Writing Workshop 3 hrs
- CRW 3610 Writing Scripts 3 hrs

Select one course
- CRW 4122 Advanced Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Writing 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 two courses
- CRW 3311 Readings in Poetry for Creative Writing 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
- 19

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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Linguistics - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
Phone: 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- LIN 3010 Principles of Linguistics 3 hrs
- LIN 4105 History of the English Language 3 hrs
- LIN 4680 Modern English Grammar 3 hrs

Restricted Electives (9 hrs)
- LIN 4643 Cross Cultural Communication 3 hrs
- LIN 4660 Linguistics and Literature 3 hrs
- LIN 4801 Language and Meaning 3 hrs
- LIN 5137 Linguistics 3 hrs
- ANT 3610 Language and Culture 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHI 4221 Philosophy of Language 3 hrs
- SPA 3112 Basic Phonetics 3 hrs

Or any course approved by the Linguistics Committee 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18
Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Literature - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
1 ENG 3014 Theories and Techniques of Literature Study 3 hrs
1 PR for all 4000 level AML, ENG, ENL, and LIT courses

Restricted Electives
- English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
Phone: 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
ENC 4215 Technical Publication and Project Management 3 hrs
ENC 4218 The Visual in Technical Documentation 3 hrs
ENC 4293 Documentation and the Collaborative Process 3 hrs
ENC 4294 Documentation and Client-Based Collaboration 3 hrs
ENC 4280 Technical Writing Style 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs

Students completing the minor may intern with a Central Florida corporation

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English Language Arts Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/englished/
Dr. Elsie Olan, ED 223N, Elsie.Olan@ucf.edu
Phone: 407-823-5179

The English Language Arts Education minor is intended for non-English Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required 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
LAE 4360 English Instructional Analysis 3 hrs
Select 1: 3 hrs
LAE 4342 Programs in Teaching Language and Composition or
LAE 4464 Survey of Adolescent Literature or
LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in English 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
Minors

Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration I, Room: 309
http://www.cel.ucf.edu
Dr. Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

Open to Business and Non-Business Students

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 (15 hrs)
ENT 3613  Creativity and Entrepreneurship  3 hrs
ENT 4014  New Venture Implementation  3 hrs
GEB 4111  New Venture Finance  3 hrs
ENT 4013  New Venture Design  3 hrs
MAR 3765  Entrepreneurial Marketing  3 hrs

Restricted Electives (3 hrs)
■ Any 3000 or 4000 MAN course not in CBA core or the following courses:
BUL 4540  Employment Law  3 hrs
EGN 4641C  Engineering Entrepreneurship  3 hrs
ENT 4183  Technological Entrepreneurship  3 hrs
GEB 4435  Moral Foundations of Business  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below "C: (2.0) or "S" 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.

Environmental Studies - Minor
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
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
IDS 3150  Foundations of Environmental Studies  3 hrs

Restricted Electives (18 hrs)
■ Take 9 hours from each section.

Science Electives 9 hrs
BCH 4053  Biochemistry I  3 hrs
BCH 4054  Biochemistry II  3 hrs
BOT 3152C  Local Flora  3 hrs
BOT 3802  Ethnobotany  3 hrs
BOT 4303C  Plant Kingdom  5 hrs
BOT 4713C  Plant Taxonomy  5 hrs
BSC 4312  Advanced Marine Biology  4 hrs
CHM 3120  Analytical Chemistry  3 hrs
1 GIS 3043C  GIS for Environmental Studies  3 hrs
1 GIS 4301C  Advanced GIS Applications in Environmental Studies  4 hrs
OCE 3008  Oceanography  3 hrs
PCB 3063  Genetics  3 hrs
PCB 3442  Aquatic Ecology  3 hrs
PCB 4683  Evolutionary Biology  4 hrs
PCB 4723  Animal Physiology  4 hrs
PCB 5045  Conservation Biology  4 hrs
PCB 5326C  Ecosystems of Florida  5 hrs

Foreign Electives 9 hrs
1 GIS 3043C and GIS 4301C can be used in either the Science or the Values, Planning, and Policy area but cannot be used in both.

Values, Planning, and Policy Electives 9 hrs
ANT 3541  Biobehavioral Anthropology  3 hrs
BOT 3802  Ethnobotany  3 hrs
ECP 4303  Environmental and Natural Resource Economics  3 hrs
ENC 3241  Writing for the Technical Professional  3 hrs
ENC 4360  Nature Writing  3 hrs
1 GIS 3043C  GIS for Environmental Studies  3 hrs
1 GIS 4301C  Advanced GIS Applications in Environmental Studies  4 hrs
INR 4351  International Environmental Law  3 hrs
PAD 3330  Urban and Regional Planning  3 hrs
PAD 4351  Issues in Environmental Program  3 hrs

Management 3 hrs
PHI 3033  Philosophy, Religion, and the Environment  3 hrs
PHI 4400  Philosophy of Science  3 hrs
PHI 3640  Environmental Ethics  3 hrs
PHI 4633  Ethics and Biological Science  3 hrs
PHM 4031  Environmental Philosophy  3 hrs
PLA 4554  Environmental Law  3 hrs
PUP 3203  Environmental Politics  3 hrs
PUP 3204  Sustainability  3 hrs
PUP 4209  Urban Environmental Policy  3 hrs

1 GIS 3043C and GIS 4301C can be used in either the Science or the Values, Planning, and Policy area but cannot be used in both.
**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 21

**Other Requirements**
- A grade of "C" or above (2.0) is required in each course used to satisfy the minor.
- 18 hours must be taken at the upper division.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study require prior approval from the Interdisciplinary Studies advisers to be used toward the minor.
- Internship, Independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisers.

**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

Dr. Kerstin Hamann

Phone: 407-823-2608

An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the Director of European Studies.

**Minor Admission Requirements**
- None

**Minor Requirements**
- A grade of "C" (2.0) or better is required for all courses counting towards the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours used in the minor must be taken at UCF.
- At least 15 credits used in the minor must be upper division.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>6 hrs</th>
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<tbody>
<tr>
<td>CPO 4101 Politics of the European Union</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3082 Continental European Fiction Since 1900</td>
<td>3 hrs</td>
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</tbody>
</table>

**Restricted Electives**
- Course substitutions are subject to prior approval by the director.

**Literature, Film, and Culture: Select from the following courses:**
- 3 hrs

<table>
<thead>
<tr>
<th>English.</th>
<th>3 hrs</th>
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<tbody>
<tr>
<td>ENL 2022 English Literature II or</td>
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<tr>
<td>ENL 4101 English Novel or</td>
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<tr>
<td>ENL 4240 English Romantic Writers or</td>
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<tr>
<td>ENL 4262 Nineteenth Century British Prose or</td>
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<tr>
<td>ENL 4273 Modern British Literature or</td>
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<tr>
<td>FIL 3820 Italian Film or</td>
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<td>FIL 3822 French Film or</td>
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<td>FIL 3823 German Film or</td>
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<td>FIL 3824 Italian Neo-Realist Cinema or</td>
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<tr>
<td>FRE 4500 French Civilization and Culture or</td>
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<td>FRT 3562 French Contemporary Pop Culture or</td>
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<tr>
<td>FRW 3370 Short Stories of 16th, 19th and 20th Centuries or</td>
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<tr>
<td>FRW 4281 20th Century French Novels or</td>
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<td>FRW 4324 20th Century French Drama or</td>
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<td>FRW 4532 French Romanticism or</td>
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<tr>
<td>FRW 4552 Nineteenth Century French Literature or</td>
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<tr>
<td>GER 3102 Germany - Past to Present or</td>
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<td>GER 4520 Modern Germany or</td>
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<tr>
<td>GEW 3101 Survey of German Literature II or</td>
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<tr>
<td>GEW 3370 Short Story or</td>
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<td>GEW 3480 German Post-War Literature or</td>
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<tr>
<td>GEW 4482 German Children's Literature or</td>
<td></td>
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<tr>
<td>GEW 4531 The Age of Goethe and Schiller or</td>
<td></td>
</tr>
<tr>
<td>ITT 4956 Study Abroad: Modern and Contemporary Italian Culture or</td>
<td></td>
</tr>
<tr>
<td>ITW 3101 Survey of Italian Literature II or</td>
<td></td>
</tr>
<tr>
<td>JST 3751 Literature of the Holocaust or</td>
<td></td>
</tr>
<tr>
<td>LIT 4184 Irish Literature or</td>
<td></td>
</tr>
<tr>
<td>SPW 3101 Survey of Spanish Literature II or</td>
<td></td>
</tr>
<tr>
<td>SPW 3370 Spanish Short Story or</td>
<td></td>
</tr>
<tr>
<td>SPW 4272 20th Century Spanish Novel or</td>
<td></td>
</tr>
<tr>
<td>SPW 4322 Contemporary Iberian Theatre or</td>
<td></td>
</tr>
<tr>
<td>SPW 4450 Spanish Literary Theory or</td>
<td></td>
</tr>
<tr>
<td>SPW 4460 Nineteenth Century Spanish Literature or</td>
<td></td>
</tr>
<tr>
<td>SPW 4720 The Generation of 1898</td>
<td></td>
</tr>
</tbody>
</table>

**History:**

**Select from the following courses:**
- 6 hrs

<table>
<thead>
<tr>
<th>History</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 3235 Romanticism and Realism or</td>
<td></td>
</tr>
<tr>
<td>EUH 3242 Modern Europe and the First World War or</td>
<td></td>
</tr>
<tr>
<td>EUH 3281 Second World War and Rebirth of Europe or</td>
<td></td>
</tr>
<tr>
<td>EUH 3411 Ancient Rome or</td>
<td></td>
</tr>
<tr>
<td>EUH 3431 History of Modern Italy or</td>
<td></td>
</tr>
<tr>
<td>EUH 3451 History of Modern France or</td>
<td></td>
</tr>
<tr>
<td>EUH 4284 Fascism and Nazism in the Interwar Europe or</td>
<td></td>
</tr>
<tr>
<td>EUH 4400 The History of Ancient Greece or</td>
<td></td>
</tr>
<tr>
<td>EUH 4465 Hitler's Third Reich or</td>
<td></td>
</tr>
<tr>
<td>EUH 4501 English History: 1485-1815 or</td>
<td></td>
</tr>
<tr>
<td>EUH 4502 British History: 1815-Present or</td>
<td></td>
</tr>
<tr>
<td>EUH 4574 History of Russia: 1801-1917 or</td>
<td></td>
</tr>
<tr>
<td>EUH 4576 History of Russia in the 20th Century or</td>
<td></td>
</tr>
<tr>
<td>EUH 4582 20th Century Russian Diplomatic History or</td>
<td></td>
</tr>
<tr>
<td>EUH 4610 Women in European Society: From Medieval to Modern or</td>
<td></td>
</tr>
<tr>
<td>EUH 4620 European Great Powers: 1815-1914 or</td>
<td></td>
</tr>
<tr>
<td>EUH 4663 History of Communism in Europe or</td>
<td></td>
</tr>
<tr>
<td>GER 4510 Life and Culture in Nazi Germany or</td>
<td></td>
</tr>
<tr>
<td>JST 3701 History of the Holocaust</td>
<td></td>
</tr>
</tbody>
</table>

**Political Science or Economics:**

**Select from the following courses:**
- 3 hrs

<table>
<thead>
<tr>
<th>Political Science or Economics</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 3104 Politics of Western Europe or</td>
<td></td>
</tr>
<tr>
<td>CPO 3614 Politics of Eastern Europe or</td>
<td></td>
</tr>
<tr>
<td>CPO 4074 Political Economy or</td>
<td></td>
</tr>
<tr>
<td>CPO 4123 Government and Politics of Great Britain or</td>
<td></td>
</tr>
<tr>
<td>CPO 4445 Comparative Political Parties or</td>
<td></td>
</tr>
<tr>
<td>CPO 4643 Government and Politics of Russia or</td>
<td></td>
</tr>
<tr>
<td>CPO 4754 Comparative Political Institutions or</td>
<td></td>
</tr>
<tr>
<td>ECO 3703 International Microeconomics or</td>
<td></td>
</tr>
<tr>
<td>ECO 4303 History of Economic Thought or</td>
<td></td>
</tr>
<tr>
<td>INR 4035 International Political Economy</td>
<td></td>
</tr>
</tbody>
</table>

**Other areas:**
- may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or one of the following:

**Select from the following courses:**
- 3 hrs

<table>
<thead>
<tr>
<th>Other areas</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4430 19th Century Art or</td>
<td></td>
</tr>
<tr>
<td>ARH 4450 20th Century Art or</td>
<td></td>
</tr>
<tr>
<td>PHH 3041 Russian Philosophy or</td>
<td></td>
</tr>
<tr>
<td>PHH 3510 Marx and Nietzsche or</td>
<td></td>
</tr>
<tr>
<td>PHP 3783 Modernity as a Philosophical Problem or</td>
<td></td>
</tr>
<tr>
<td>PHP 3786 Existentialism or</td>
<td></td>
</tr>
<tr>
<td>PHP 4782 Phenomenology</td>
<td></td>
</tr>
</tbody>
</table>
Minors

Foreign Language Requirements
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, Russian, 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

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
- Not open to majors of the Rosen College of Hospitality Management.

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
2. HFT 3443 Event Technology 3 hrs
3. HFT 3512 Event Promotion 3 hrs
4. 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)
- Choose Early Childhood Restricted Electives OR Elementary Restricted Electives OR Secondary Restricted Electives.

 Exceptional Student Education - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: 315P
http://education.ucf.edu/academics_minors.cfm
Dr. Maria Reyes, Program Coordinator, maria.reyes@ucf.edu

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 or 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
- 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 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)
1. EEX 4601 Introduction to Behavior Management 3 hrs
2. EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
3. EEX 3221 Assessment of Exceptional Students 3 hrs
4. EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs

Restricted Electives (6 hrs)
- Choose Early Childhood Restricted Electives OR Elementary Restricted Electives OR Secondary Restricted Electives.

Early Childhood Restricted Electives
1. EEX 3450 Young Children With Special Needs 3 hrs
2. EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

Elementary Restricted Electives
1. EEX 4070 Teaching Exceptional Students 3 hrs
2. EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

Secondary Restricted Electives
1. EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
2. EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 in all courses used to satisfy the minor.
- A minimum GPA of 2.5 in all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105C or higher, are required.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- Note: Completion of the minor does not complete the requirements for certification in Exceptional Student Education nor does it constitute admission in the College of Education and Human Performance.
Minors

Film - Cinema Studies - Minor
College of Arts and Humanities
School of Visual Arts and Design,
Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Minor Admission Requirements
- Completion of a Minor Declaration form

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 3303  Financial Markets  3 hrs
- FIN 3403  Business Finance  3 hrs
- FIN 2100  Personal Finance and Investments  3 hrs
- FIN 3433  Business Finance  3 hrs
- PET 4550C  Assessment and Evaluation in Exercise Science  3 hrs
- ZOO 3736C Exercise Physiology Anatomy (or equivalent) 4 hrs

Restricted Electives (9 hrs)
- Select 3:
  - FIN 3461  Financial Statement Analysis or 3 hrs
  - FIN 3504  Investment Analysis or 3 hrs
  - FIN 4324  Commercial Bank Management or 3 hrs
  - FIN 4453  Financial Models or 3 hrs
  - FIN 4514  Portfolio Analysis and Management or 3 hrs
  - FIN 4533  Financial Derivatives or 3 hrs
  - FIN 4604  International Financial Management 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses 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 Business Administration
Department of Finance, Business Administration I,
Room: 409
Students seeking advising must go to BA 2 room 101.
http://web.bus.ucf.edu/academics/finance/

Open to business and non-business students. Not available to finance majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- ACG 2021  Principles of Financial Accounting  3 hrs
- ECO 2023  Principles of Microeconomics  3 hrs
- FIN 3403  Business Finance  3 hrs
- FIN 3303  Financial Markets  3 hrs
- PET 4512C  Kinesiology/Biomechanics  3 hrs
- PET 4550C  Assessment and Evaluation in Exercise Science  3 hrs
- APK 4110C  Exercise Physiology  3 hrs
- PET 3361  Nutrition and Metabolism in Sport and Exercise Science  3 hrs

Restricted Electives (9 hrs)
- Select 3:
  - FIN 3461  Financial Statement Analysis or 3 hrs
  - FIN 3504  Investment Analysis or 3 hrs
  - FIN 4324  Commercial Bank Management or 3 hrs
  - FIN 4453  Financial Models or 3 hrs
  - FIN 4514  Portfolio Analysis and Management or 3 hrs
  - FIN 4533  Financial Derivatives or 3 hrs
  - FIN 4604  International Financial Management 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Fitness Training - Minor
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
Dr. David Fukuda, David.Fukuda@ucf.edu, 407-823-0442

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. The Fitness Training minor is not available to Sport and Exercise Science Pending and Sport and Exercise Science - Human Performance Track majors.

Minor Admission Requirements
- Have a minimum 2.5 overall 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
- BSC 2010C Biology I (or equivalent) 4 hrs
- ZOO 3736C Exercise Physiology Anatomy (or equivalent) 4 hrs

Required Courses (12 hrs)
- PET 4312C  Kinesiology/Biomechanics  3 hrs
- PET 4550C  Assessment and Evaluation in Exercise Science  3 hrs
- APK 4110C  Exercise Physiology  3 hrs
- PET 3361  Nutrition and Metabolism in Sport and Exercise Science  3 hrs
## Minors

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 2:</td>
<td>6 hrs</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Strength and Conditioning Concepts or Performance or AN 2202 6 hrs</td>
</tr>
<tr>
<td>PET 3768</td>
<td>Group Exercise Instruction or Performance or AN 2202 6 hrs</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance or AN 2202 6 hrs</td>
</tr>
<tr>
<td>PET 3125</td>
<td>Fitness and Weight Management or Performance or AN 2202 6 hrs</td>
</tr>
<tr>
<td>PET 4552</td>
<td>Exercise Prescription for Special Populations or AN 2202 6 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

## Florida Studies - Minor

### College of Arts and Humanities

### Department of English, Colbourn Hall, Room: 405

**http://english.ucf.edu**

**Email:** english@ucf.edu

Daniel Murphree, Daniel.Murphree@ucf.edu

**Phone:** 407-823-5596

### Admission Requirements
- None

### Minor Requirements
- None

### Prerequisite Courses
- Students are responsible for meeting any prerequisites for the courses in the minor or for obtaining course instructor permission if prerequisites are not met.

### Required Courses
- None

### Restricted Electives
- None

<table>
<thead>
<tr>
<th>Courses used in the minor must be taken in at least three departments. Select from the following list:</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3422 Frontier Florida 3 hrs</td>
</tr>
<tr>
<td>AMH 3425 Sunbelt Florida 3 hrs</td>
</tr>
<tr>
<td>AMH 4376 U.S. Space History 3 hrs</td>
</tr>
<tr>
<td>AML 4261 Literature of the South 3 hrs</td>
</tr>
<tr>
<td>AML 4265 Florida Writers 3 hrs</td>
</tr>
<tr>
<td>ANT 3156 Florida Archaeology 3 hrs</td>
</tr>
<tr>
<td>ANT 3393 American Indian Literature and Culture in Florida 3 hrs</td>
</tr>
<tr>
<td>ANT 3398 Black/Seminole Relations 3 hrs</td>
</tr>
<tr>
<td>ANT 4303 Anthropology of Tourism 3 hrs</td>
</tr>
<tr>
<td>LAH 4136 Colonial Florida 3 hrs</td>
</tr>
<tr>
<td>POS 3173 Southern Politics 3 hrs</td>
</tr>
<tr>
<td>POS 3182 Florida Politics 3 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

## French - Minor

### College of Arts and Humanities

### Department of Modern Languages and Literatures, Colbourn Hall, Room: 521

**http://mll.cah.ucf.edu/**

Dr. Charlotte Trinquet, ctrinque@ucf.edu

### Minor Admission Requirements
- None

### Minor Requirements
- None

### Prerequisite Courses
- None

### Required Courses
- None

### Restricted Electives
- Select four upper division French language courses offered in the Department of Modern Languages.
- Approval of a departmental advisor is required prior to registration.

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

## Global Peace and Security Studies - Minor

### College of Sciences

### Department of Political Science, Phillips Hall, Room: 302

**http://politicscience.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 hours of electives in their major department.

### Prerequisite Courses
- Students must satisfy each course’s prerequisite before enrolling in the class.

### Required Courses
- (6 hrs)
  - EUH 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
Minors

Health Informatics and Information Management - Minor

College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210

Dr. Alice Noblin, alice.noblin@ucf.edu, 407-823-2353

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (20 hrs)

- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- 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

Other Requirements

- A minimum GPA of 2.5 is required.
- 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 each course for the minor.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.

Health Sciences - Minor

College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs I, Room: 267

L. Timothy Worrell, 407-823-5236

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

Restricted Electives (9 hrs)

- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 4558 Pathophysiology II 3 hrs
- HSC 4561 Epidemiology of Chronic Diseases 3 hrs
- HSC 4562 Clinical Nutrition 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 4066 Applied Fitness in Sport 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 3553 HIV Disease: A Human Concern 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum overall GPA of 2.5 is required. A minimum grade of "C" (2.0) is required in each course for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.
Health Services Administration - Minor
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
Email: hsainfo@ucf.edu
Philip Wessel, Undergraduate Program Director, hsainfo@ucf.edu
Phone: 407-823-2359

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Fundamentals of Health Information Technology 3 hrs
- HSC 4500 Epidemiology 3 hrs

Restricted Electives (3 hrs)
- Additional prerequisite courses may be required
  - Select 1: 3 hrs
    - HSC 4652 Health Law and Ethics or 3 hrs
    - HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 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
Email: hospitality@mail.ucf.edu
Dr. Kevin S. Murphy, 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 (18 hrs)
- Take all of the following: 6 hrs
  - HFT 1000 Introduction to the Hospitality and Tourism Industry and Guest Services Management I 3 hrs
  - HFT 3540 3 hrs
- Select 2: 6 hrs
  - HFT 2401 Hospitality Industry Financial Accounting or 3 hrs
  - HFT 3431 Hospitality Industry Managerial Accounting or 3 hrs
  - HFT 2500 Hospitality and Tourism Marketing or 3 hrs
  - HFT 2220 Hospitality Human Resources Management or 3 hrs
  - HFT 3444 Hospitality Information Systems or 3 hrs
  - HFT 3603 Legal Environment in the Hospitality and Tourism Industry or 3 hrs
  - HFT 4464 Hospitality Industry Finance or 3 hrs
  - HFT 4286 Hospitality Communications 3 hrs
- Select 2: 6 hrs
  - HFT 3700 Tourism Management or 3 hrs
  - HFT 3263 Restaurant Management or 3 hrs
  - HFT 3273 Principles of Resort Timesharing or 3 hrs
  - HFT 4755 Theme Park and Attraction Management or 3 hrs
  - HFT 2750 The Event Industry or 3 hrs
  - FSS 2221C Techniques of Food Preparation or 4 hrs
  - HFT 2254 Lodging Operations or 3 hrs
  - HFT 4277 Yacht, Country, And City Club Management 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum overall GPA of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the College.
- No credit by exam (TSD, Military credit) may be used in the minor.
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: 407-823-2681

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 4530 Persuasion and Communication 3 hrs

Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit cannot be used toward this minor with prior approval.

Human Services - Minor

College of Education and Human Performance
Department of Child, Family and Community Sciences, Education Complex, Room: 322
Website: http://education.ucf.edu/counselored/
Dr. Mark Young, mark.young@ucf.edu, 407-823-6401

The Human Services minor is intended to provide students with an introduction to the human services profession and develop skills and knowledge associated with this field. The courses required for this minor help students acquire basic competencies such as communication, counseling and helping skills, knowledge of human services theory and awareness of the impact of race, gender, ethnicity, family, spirituality, government, education and social systems on the delivery of human services. Students in the 2015 catalog year and beyond may declare this 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
- Students should see an advisor prior to registering for classes.
- At least 12 hours in the minor must be earned at UCF.
- Students must earn a grade of "C" or better in all courses required for the minor.
- Must maintain a minimum overall MINOR GPA of 2.5.

Prerequisite Courses
- None

Required Courses
- (15 hrs)
  - MHS 2441 Couples, Families and Intimate Relationships 3 hrs
  - MHS 2330 Career Planning 3 hrs
  - MHS 2090 Introduction to Human Services 3 hrs
  - MHS 3426 Diversity Issues in Human Services 3 hrs
  - MHS 3052 Helping Skills for Human Service Providers 3 hrs
  - MHS 3426 Diversity Issues in Human Services 3 hrs

Restricted Electives
- (3 hrs)
  - Three semester hours of a restricted elective with PSY, SOW, DEP, EEC or EEX prefix (selected with advisor’s approval).

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (CLEP, Military Credit) may be used.
- Transfer credits from other colleges/universities may be considered.

Humanities and Cultural Studies - Minor

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Claudia Schippert, Claudia.Schippert@ucf.edu, 407-823-2273

The Humanities and Cultural Studies minor is a rigorous study of the artistic and intellectual practices and products of human culture in the contemporary world and in the past, across world cultures.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None
Minors

Required Courses (18 hrs)

HUM 2020 Encountering the Humanities 3 hrs

Humanities Foundations 6 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
HUM 3252 Contemporary Humanities 3 hrs

Theories and Methods 3 hrs

Select 1: 3 hrs

HUM 3805 Critical Theory in the Humanities or 3 hrs
HUM 3830 Introduction to Digital Humanities or 3 hrs
HUM 3326 Theories of Sex and Gender in Humanities or 3 hrs
HUM 4330 Performance Theory or 3 hrs
HUM 4823 Queer Theory in the Humanities or 3 hrs
HUM 4826 Postcolonial Theory 3 hrs

Cultural Traditions 3 hrs

Select 1: 3 hrs

HUM 3401 Asian Humanities or 3 hrs
HUM 3423 African Humanities or 3 hrs
HUM 3460 Latin American Humanities or 3 hrs
HUM 4459 American Cultural Studies in Humanities 3 hrs

Topics in Cultural Studies 3 hrs

Select 1: 3 hrs

HUM 4931 Key Figures in the Humanities & Cultural Studies or 3 hrs
HUM 4934 Key Concepts in Humanities & Cultural Studies 3 hrs

Restricted Electives

None

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 or Information Technology program at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.
- The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.

Information Technology - Minor

College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346

http://www.eecs.ucf.edu

Dr. Mark Llewellyn, Markl@cs.ucf.edu

Phone: 407-823-2790

Minor Admission Requirements

- Not open to Information Technology majors.

Minor Requirements

None

Prerequisite Courses

None

Required Courses (3 hrs)

Select one (1) of the following courses:

- COP 2500C Concepts in Computer Science 4 hrs
- COP 3223C Introduction to Programming with C 3 hrs

Restricted Electives (15 hrs)

Select any five (5) courses required for the IT major and taught by CS/IT at UCF with the following prefixes: CAP, CGS, CIS, CNT, COT, or COP.

Foreign Language Requirements

None

Total Semester Hours Required (12 hrs)

Select four courses from the following list:

- CCJ 4076 Crime Intelligence and Investigative Support Analysis 3 hrs
- CCJ 4641 Organized Crime 3 hrs
- CCJ 4644 White Collar Crime 3 hrs
- CCJ 4651 Drugs and Crime 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 3821 Practical Security Applications 3 hrs
- COM 4416 Terrorism and Communication 3 hrs
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3057 Contemporary Revolution and Political Violence 3 hrs
- CPO 3403 Politics of the Middle East 3 hrs
- CPO 3614 Politics of Eastern Europe 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs

The minor introduces students to the fundamentals of intelligence and national security, and it allows for students to specialize in one or more different areas that are appropriate for a career in these fields. This minor will be helpful for students majoring in any field who are interested in careers in intelligence and national security, and particularly for students in Political Science, International and Global Studies, and Criminal Justice.

The minor in Intelligence and National Security consists of 18 credit hours at the undergraduate level, including two required core courses and four electives.

Admission Requirements

None

Minor Requirements

- A grade of "C" (2.0) or better for all classes is required in courses counting towards the minor.
- At least 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director's discretion (for a maximum of 3 credit hours).
- No more than 3 credit hours may overlap with any other major or minor.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (6 hrs)

- INR 2002 International Relations-Theory and Practice 3 hrs
- INR 4364 The Intelligence Community 3 hrs

Restricted Electives (12 hrs)

Select four courses from the following list:

- CCJ 4076 Crime Intelligence and Investigative Support Analysis 3 hrs
- CCJ 4641 Organized Crime 3 hrs
- CCJ 4644 White Collar Crime 3 hrs
- CCJ 4651 Drugs and Crime 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 3821 Practical Security Applications 3 hrs
- COM 4416 Terrorism and Communication 3 hrs
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3057 Contemporary Revolution and Political Violence 3 hrs
- CPO 3403 Politics of the Middle East 3 hrs
- CPO 3614 Politics of Eastern Europe 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs
Minor Requirements

- 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 3 hrs

- Required Courses (6 hrs)
  - EGN 4060C Introduction to Robotics 3 hrs
  - EEL 4600 Robotic Systems 3 hrs

- Restricted Electives (12 hrs)
  - Select 4: Courses with equivalent content cannot both be counted toward the electives.
    - Note: Courses with equivalent content cannot both be counted toward the electives.

- Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
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- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

- Select 4: Courses with equivalent content cannot both be counted toward the electives.
  - Note: Courses with equivalent content cannot both be counted toward the electives.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- None

International and Global Studies - Minor

College of Sciences

Department 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.

- No credit by exam (TSD, Military credit) may be used.

- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Required Courses (6 hrs)

- INR 4008 Global Perspectives 3 hrs
- GEO 3471 World Political Geography 3 hrs

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

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Restricted Electives (15 hrs)
- Substitutions require prior approval by the program advisor.

A. Political Science:
Select courses from this grouping: 6 hrs
- INR 4011 Policies 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 or 3 hrs
- INR 4060 Causes of War 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, Russian 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
- CPO 4445 Comparative Political Parties or 3 hrs
- DSC 4012 Terrorism or 3 hrs
- EUH 3651 War and Society or 3 hrs
- MMC 4300 International Media or 3 hrs
- SYP 4454 Global Inequality and Society or 3 hrs
- Three one credit Foreign Language across the Curriculum (FLAC) courses

Foreign Language Requirements
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

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
Office of Professional Development, Business Administration II, Room: 101
http://web.bus.ucf.edu
Suzanne Waldrop, Suzanne.Waldrop@ucf.edu, 407-823-5833

Minor for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- GEB 3375 Introduction to International Business 3 hrs

Select 12 to 15 hours of Study Abroad 12 hrs
- GEB 3955 Study Abroad
- GEB 4955 Study Abroad

Restricted Electives (3 hrs)
- Select the course below only if less than 15 hours of Study Abroad completed
- GEB 4374 International Negotiations and Transactions 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.
- Lower division courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses taken as part of a UCF College of Business exchange program will be reviewed for appropriateness by the College of Business Study Abroad Director. Additional information may be required by the Study Abroad Director to determine the appropriateness of the course taken.
- Courses transferred into the College of Business from a foreign institution, that are not part of a College of Business exchange program, 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 coursework registered through UCF College of Business Study Abroad.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

International Engineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027
Brittany Kester, brittany.kester@ucf.edu, 407-823-2455

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, giving the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
- Admission by interview with the Program Coordinator
- A minimum UCF cumulative GPA of 2.75 is required to enter the minor.

Minor Requirements
- None

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 cannot be waived by the advisor coordinator for study abroad in countries in which English is widely spoken.
  - If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework, appropriate to the region of study, at UCF in lieu of the foreign language credits. This alternative international coursework will consist of two of the following courses (or an equivalent(s) approved by the program coordinator):
    - ANT 3212 Peoples of the World 3 hrs
    - ANT 3541 Biobehavioral Anthropology 3 hrs
    - ANT 4332 People and Cultures of Latin America 3 hrs
    - ANT 3610 Language and Culture 3 hrs
    - ASH 4404 Modern China 3 hrs
    - ASH 4442 Modern Japan 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 history/culture/intercultural 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.
  - Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Restricted Electives

- None

Foreign Language Requirements

- See Language Skills Acquisition

Total Semester Hours Required 18

Other Requirements

- A minimum grade of “C” (2.0) or better is required in all courses toward the minor.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Italian - Minor

College of Arts and Humanities

Department of Modern Languages and Literatures, Colbourn Hall, Room: 522

http://mll.cah.ucf.edu/

Dr. Chiara Mazzucchelli, chiara.mazzucchelli@ucf.edu

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

1 ITA 3420 Italian Composition 3 hrs
2 ITA 3760 Advanced Italian Oral Communication 3 hrs

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

Restricted Electives (12 hrs)

- Select four upper division Italian language courses offered in the Department of Modern Languages.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements

- None

Total Semester Hours Required 18

Other Requirements

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Journalism Studies - Minor

College of Sciences

Nicholson School of Communication, NSC, Room: 143

http://communication.cos.ucf.edu

Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu, 407-823-2881

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
Minors

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
- Select from the following:
  - JOU 3301 Journalism Readings 3 hrs
  - JOU 3510 Magazine Publishing 3 hrs
  - JOU 4700 Journalism Ethics 3 hrs
  - MMC 2004 Mass Media 3 hrs
  - MMC 3200 Mass Communication Law 3 hrs
  - MMC 4300 International Media 3 hrs
  - VIC 3001 Visual Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without 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 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

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives
- Choose 6 Restricted Electives courses.

Jewish History
- JST 3401 Jewish People in Antiquity 3 hrs
- JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
- JST 3415 American Jewish History 3 hrs
- JST 3481 20th Century Jewish History and Thought 3 hrs
- JST 3701 History of the Holocaust 3 hrs
- JST 3417 Sephardic 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 Israel: Start-Up Nation 3 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

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.

Latin American Area Studies - Minor

College of Arts and Humanities

Latin American Studies, Colbourn Hall, Room: 122
http://las.cah.ucf.edu/
Director: Dr. Consuelo Stebbins, stebbins@ucf.edu
Advisor: Donna Mercado, Donna.Mercado@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
- None

Minor Requirements
- None
Minors

Leadership Studies - Minor
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom 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)

- GEA 4405 Geography of Latin America 3 hrs
- LAS 3002 Topics in Latin American Studies 3 hrs
- LAS 3101 Latin American Popular Culture 3 hrs

Restricted Electives
(15 hrs)

- LAS 3303 Latin American History I 3 hrs
- LAS 3400 History of Mexico and Central America 3 hrs
- AMH 3586 History of the Hispanic Minorities in the U.S. 3 hrs
- LHR 4136 Latin American History II 3 hrs
- LHR 4400 History of the Caribbean 3 hrs
- LHR 4420 History of Cuba 3 hrs
- LHR 4742 The Mexican Revolution 3 hrs
- LHR 4760 Poverty and Development in Latin America 3 hrs

Political Science

- CPO 4303 Comparative Latin American Politics 3 hrs
- 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

International Relations

- INR 4243 International Politics of Latin America 3 hrs
- INR 4074 Immigration Policy 3 hrs
- INR 4076 Global Drug Policy 3 hrs

Humanities

- HUM 3460 Latin American Humanities 3 hrs

Public Policy

- PUP 3314 Minorities in American Politics 3 hrs

Foreign Language Requirements

None

Total Semester Hours Required
18

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

Prerequisite Courses

- None

Required Courses

- None

Foundation Requirement

- LDR 2001 Foundations of Leadership 2 hrs
- LDR 2002 Intermediate Foundations of Leadership 2 hrs

Restricted Requirements

- None

Communication

- Choose one course from each of the five areas:
  - COM 311C 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 3025 Management of Organizations or 3 hrs
- SPC 4426 Group Dynamics or 3 hrs

Social Relations and Culture

- ANR 3541 Biobehavioral Anthropology or 3 hrs
- CLP 3413 Abnormal Psychology or 3 hrs
- COM 4461 Intercultural Communication or 3 hrs
- EXP 3304C Motivation or 3 hrs
- SOP 3304C 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 or 3 hrs
Minors

Politics
PAD 3003  Public Administration in American Society  3 hrs
or PAD 4104  Administrative Theory or  3 hrs
PAD 4144  Nonprofit Organizations or  3 hrs
PAF 4754  Interdisciplinary Leadership in Public Affairs or
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  3 hrs

Ethics
BUL 3130  Legal and Ethical Environment of Business  3 hrs
or EDF 3601  Professional Ethics in Education or  3 hrs
PAD 3040  Ethics and Values in Public Administration or
PHI 2108  Critical Thinking or  3 hrs
PHI 3638  Ethical Issues in the 21st Century or  3 hrs
PHI 3640  Environmental Ethics  3 hrs

Restricted Electives
None

Foreign Language Requirements
None

Total Semester Hours Required
19

Other Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy the minor.
- 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.

Legal Studies - Minor
College of Health and Public Affairs
Department of Legal Studies, Health and Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml

Email: legalstudies@ucf.edu
Dr. David Slaughter, Program Coordinator
Rubert Neish II, Program Academic Advisor
Phone: 407-823-1670

Minor Admission Requirements
None

Minor Requirements
None

Prerequisite Courses
None

Required Courses (3 hrs)
PLA 3014  Law and the Legal System  3 hrs

Restricted Electives (18 hrs)
15 Semester hours of legal studies courses selected with the aid of an advisor

Other Requirements
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Magazine Journalism - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Email: Journalism@ucf.edu
Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Grammar proficiency requirement.
- A minimum UCF GPA of 2.5 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 4447  Magazine Editing and Production  3 hrs

Restricted Electives (9 hrs)
Select from the following:

ENC 3310  Magazine Writing I or  3 hrs
JOU 3310  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
18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

Marketing - Minor
College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S
Open to Business and Non-Business Students

Minor Admission Requirements
- Not available to Marketing Majors

Minor Requirements
None

Prerequisite Courses
None

Required Courses (15 hrs)
MAR 3023  Marketing  3 hrs
MAR 3323  Integrated Marketing Communication  3 hrs
MAR 3407  Contemporary Selling  3 hrs
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.
- 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 3008 Principles of Advertising 3 hrs
- MMC 2004 Mass Media 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs

Restricted Electives (9 hrs)
Select from the following:
- ADV 4103 Radio-Television Advertising 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
Minors

SYP 3400  Social Change  3 hrs
SYP 3602  Patterns of Popular Music in Society  3 hrs
SYP 3630  Popular Culture In Society  3 hrs
SYP 3650  Sports and Society  3 hrs
SYP 4004  Constructing Social Issues  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Mathematical Biology - Minor
College of Sciences
Department of Mathematics,
Math and Physics, Room: 207
http://math.ucf.edu
Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu,
407-823-0147

Admission Requirements
- None

Minor Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the Department of Mathematics.
- This minor is not open to Math majors.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (21 hrs)
- BSC 2010C  Biology I  4 hrs
- MAC 2311C  Calculus with Analytic Geometry I  4 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs

Restricted Electives (3 hrs)
- Select from the following
  - BSC 2010C  Biology I  4 hrs
  - MAC 2311C  Calculus with Analytic Geometry I  4 hrs
  - MAC 2312  Calculus with Analytic Geometry II  4 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Mathematics - Minor
College of Sciences
Department of Mathematics,
Math and Physics, 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.

Select from the following
- MAA 4226  Advanced Calculus I and 4 hrs
- MAA 4227  Advanced Calculus II and 3 hrs
- MAA 5210  Topics in Advanced Calculus and 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Mathematics Education - Minor
College of Education 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

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.

Minor Admission Requirements
- The minor is not open to Anthropology majors.

Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
  - ANT 2000 General Anthropology 3 hrs

Required Courses
- (12 hrs)
  - Complete all of the following:
    - ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
    - ANT 2511 The Human Species 3 hrs
    - ANT 4408 Culture, Disease, and Healing 3 hrs
    - ANT 4462 Medical Anthropology 3 hrs

Restricted Electives
Restricted Electives, Group A: 3 hrs
- Select from the list below:
  - ANT 3241 Magic, Ritual, and Belief 3 hrs
  - ANT 3302 Sex, Gender and Culture 3 hrs
  - ANT 4467 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4560 Birth to Death: Anthropological Perspectives on Human Growth 3 hrs

Restricted Electives, Group B: 6 hrs
- Select from the list below:
  - ANT 3148 Life and Death in Ancient Egypt 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3701 Engagement & Social Change: Public Anthropology 3 hrs
  - ANT 4013 Anthropology of Fast Food 3 hrs
  - ANT 4184 Mortuary Archaeology 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 4525C Human Osteology 3 hrs
  - ANT 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 to satisfy the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Medical Sociology - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.cos.ucf.edu/
Dr. Elizabeth E. Mustaine, libby@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 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.
Minors

Prerequisite Courses
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement or as general electives.
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYO 4400 Medical Sociology 3 hrs

Required: Complete one of the following: (3 hrs)
- SYO 2300 Introduction to Sociology or
- SYO 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
- Select from the following:
  - SYD 4020 Birth, Death, and Population Trends 3 hrs
  - SYO 3410 Patterns of Mental Health in Society 3 hrs
  - SYO 3408 Animals and Health 3 hrs
  - SYP 3551 Patterns of Alcoholism in Society 3 hrs
  - SYO 4402 Sociology of Health and Illness Behavior 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
  - SYP 4730 Patterns of Aging in Society 3 hrs
  - SYO 4401 Social Determinants of Health 3 hrs

May substitute a relevant health-related course from another department with permission from Sociology.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Medieval and Renaissance Studies - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405
http://www.english.ucf.edu/
Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background in 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
  - EIUH 3122 Medieval Society and Civilization 3 hrs
  - ENL 4311 Chaucer 3 hrs
  - ENL 4341 Milton and His Age 3 hrs
  - ENL 4333 Shakespeare Studies 3 hrs

1 Only one of these three courses will count towards required courses

Restricted Electives (12 hrs)
- Select no more than two from each disciplinary group:
  - Department of Art
    - ARH 4200 Medieval Art 3 hrs
    - ARH 4310 Italian Renaissance Art 3 hrs
  - Department of English
    - ENL 4220 English Renaissance Poetry and Prose 3 hrs
    - ENL 4311 Chaucer 3 hrs
    - ENL 4333 Shakespeare Studies 3 hrs
    - ENL 4341 Milton and His Age 3 hrs
  - Department of History
    - AMI 4110 Colonial America, 1607-1763 3 hrs
    - AMH 4112 The Atlantic World 3 hrs

Department of Modern Languages

FRW 3100 Survey of French Literature I 3 hrs
ITW 3100 Survey of Italian Literature I 3 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 4664 Cervantes 3 hrs
ITT 3443 Dante’s Inferno 3 hrs

Department of Philosophy

PHI 3200 Medieval Philosophy 3 hrs
HUM 3435 Medieval Humanities 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 12 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) and/or Intermediate Arabic Language and Civilization I (ARA 2200) and/or Intermediate Modern Hebrew I (HBR 2200) and/or Women in European Society: From Medieval to Modern (EUH 4860)
- ARA 3222 Intermediate Arabic Language and Civilization II 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
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

Required Courses
■ None

Select 1:
- MUL 2010 Enjoyment of Music 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
■ Restricted electives must be taken from the School of Performing Arts at UCF and must include 3 hours minimum at the 3000 or 4000 level.

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.

Nanoscale Science and Technology - Minor
College of Sciences
Department of Physics,
Physical Sciences Building, Room: 403
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Talat Rahman, 407-823-2325

This minor is designed to offer students a working knowledge of nanoscience principles and industrial applications, and to understand the societal and technology issues that may impede the adoption of nanotechnology. In addition, students are expected to develop the ability to communicate effectively, work collaboratively, and identify paths and requisite knowledge and skills for nanotechnology careers. With the service learning component built into the three core courses, students completing the minor will only need a fourth SL-designated course of their choice to receive a UCF Service-Learning certificate.

Admission Requirements
■ None

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 Physics.

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.
Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class. In addition, the students must have completed the following courses, which are taken by most science majors:

**Select 1:**
- PHY 2048C Physics for Engineers & Scientists I or 4 hrs
- PHY 2053C College Physics I 4 hrs

**Select 1:**
- PHY 2048C Physics for Engineers and Scientists II or 4 hrs
- PHY 2054C College Physics II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs

**Required Courses** *(9 hrs)*

- The three required courses include a 20-hour service learning component:
  - PHZ 3462 Nanoscience I: The Science and Societal Impacts 3 hrs
  - PHZ 3464 Nanoscience II: Technological Applications 3 hrs
  - PHZ 3466 Nanoscience III: A Virtual Laboratory 3 hrs

**Restricted Electives** *(9 hrs)*

- Select three courses from the following list. One course must be chosen from the listed from the Physics department. Other electives should be taken with approval of the program director.
  - PHY 3802 Intermediate Physics Laboratory 3 hrs
  - PHY 3101 Physics for Engineers and Scientists III 3 hrs
  - PHZ 3151 Computer Methods in Physics 3 hrs
  - BSC 3424 Nanobiotechnology 3 hrs
  - OSE 3490 Nanophotonics 3 hrs
  - PHY 5933 Selected topics in biophysics of macromolecules 3 hrs
  - PHI 3626 Advanced Ethics in Science and Technology 3 hrs
  - PHI 4690 Ethics in Nanoscience and Nanotechnology 3 hrs
  - PHZ 5425C Electron Solid Interactions 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.
- Note: To obtain a Service-Learning certificate, four UCF-approved service-learning courses must be completed. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.

**Nonprofit Management/National Certification in Nonprofit Management - Minor**

**College of Health and Public Affairs**

**School of Public Administration, Health and Public Affairs II, Room: 238**
Stephanie Krick, stephanie.krick@ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including “Other Requirements”), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

**Minor Admission Requirements**

- None

**Minor Requirements**

- Students must earn a “C” (2.0) or better in each course in the minor.

**Prerequisite Courses**

- None

**Required Courses** *(9 hrs)*

1. PAD 3930 Nonprofit Leadership Seminar 1 hr
2. PAD 4049 Nonprofit Management Internship 3 hrs
3. PAD 4144 Nonprofit Organizations 3 hrs

1 One credit hour course repeated three semesters.
2 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:**

- **Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation**
  1. AGC 2021 Principles of Financial Accounting or 3 hrs
  1. AGC 2071 Principles of Managerial Accounting or 3 hrs
  1. MAN 3025 Management of Organizations or 3 hrs
  1. PAD 4131 Public Sector Project Management or 3 hrs
  1. PAD 4204 Fiscal Management or 3 hrs
  1. PAD 5850 Grant and Contract Management or 3 hrs
  1. SOW 3401 Social Work Research or 3 hrs
  1. PAD 4153 Planning and Improvement for Public Organizations or 3 hrs
  1. PAD 4325 Program Evaluation for Public and Nonprofit Organizations or 3 hrs

1. **Group II: Human Development and Human Resource Development and Volunteerism**
   1. MAN 3301 Strategic Human Resource Management or 3 hrs
   1. MAN 4101 Human Relations in Management or 3 hrs
   1. MAN 4320 Human Resources Recruitment and Selection or 3 hrs
   1. PAD 4414 Human Resource Administration or 3 hrs
   1. PAD 4148 Volunteer Management or 3 hrs
   1. SOW 3226 Social Work Perspectives on Social Justice or 3 hrs
   1. SOW 3104 Human Behavior and the Social Environment I or 3 hrs
   1. MAR 3023 Marketing or 3 hrs
   1. MAR 3641 Marketing Intelligence or 3 hrs
   1. MAR 4803 Marketing Management or 3 hrs
   1. PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
   1. SOW 3352 Practice II: Interpersonal Skills in Social Work: or 3 hrs
   1. SPC 3301 Interpersonal Communication 3 hrs

1. **Group III: Communication & Marketing and Fund Raising Principles & Practices**
   1. COM 3110 Business and Professional Communication or 3 hrs
   1. CEB 3031 Integrated Business Foundations or 3 hrs
   1. MAR 3023 Marketing or 3 hrs
   1. MAR 3641 Marketing Intelligence or 3 hrs
   1. MAR 4803 Marketing Management or 3 hrs
   1. PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
   1. SOW 3352 Practice II: Interpersonal Skills in Social Work: or 3 hrs
   1. SPC 3301 Interpersonal Communication 3 hrs

**Select 1:**

- **Group III: Communication & Marketing and Fund Raising Principles & Practices**
  1. PAD 4153 Planning and Improvement for Public Organizations or 3 hrs
  1. PAD 4153 Planning and Improvement for Public Organizations or 3 hrs
  1. PAD 4153 Planning and Improvement for Public Organizations or 3 hrs
  1. PAD 4153 Planning and Improvement for Public Organizations or 3 hrs
  1. PAD 4153 Planning and Improvement for Public Organizations or 3 hrs
  1. PAD 4153 Planning and Improvement for Public Organizations or 3 hrs

**Public Affairs Emphasis**

- Choose at least 3 courses from the following:

**PAD 4148 Volunteer Management**
**PAD 4153 Planning and Improvement for Public Organizations**
**PAD 4131 Public Sector Project Management**
**PAD 4147 Resource Development in the Nonprofit Sector**
**PAD 4204 Fiscal Management**
**PAD 4223 Public Budgeting Skills and Techniques**
**PAD 4253 Community & Economic Development**
**PAD 4325 Program Evaluation for Public and Nonprofit Organizations**

1. Course has prerequisites or may be open to students in that major only. Please see catalog for details.

390 Undergraduate Catalog 2015-2016
Minors

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 (6 hrs)
- Take one of the following courses:
  - MUL 2010 Enjoyment of Music 3 hrs
  - MUL 2014 Introduction to Music History and Literature 3 hrs

Take one of the following courses: (3 hrs)
- THE 2000 Theatre Survey or 3 hrs
- THE 2020 Survey of Theatre for Majors 3 hrs

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- The internship will be a capstone experience taking an average of ten hours per week. Students are responsible for securing an internship position, which may be paid or unpaid, on- or off-campus, with qualifying performing arts organization. Students will secure approval for internship positions and responsibilities from the department curriculum committee.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- MAR 3023 Marketing 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- PAD 4144 Nonprofit Organizations 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 4148 Volunteer Management 3 hrs
- PAD 4149 Internship 1 hr
- TPA 4400 Theatre Management 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- THE 2020 Survey of Theatre for Majors 3 hrs

Internship (3 hrs)
- THE 4941 Internship 1 hr

Restricted Electives (9 hrs)
- Select three courses, one from each of the three different areas.
- FIN 2100 Personal Finance and Investments 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs

Management (3 hrs)
- MAR 3023 Marketing 3 hrs
- MAN 3025 Management of Organizations 3 hrs

Nonprofit Sector (3 hrs)
- PAD 4148 Volunteer Management 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 3003 Public Administration in American Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 30

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted
- At least 15 hours in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.

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 (6 hrs)
- Take one of the following courses:
  - MUL 2010 Enjoyment of Music 3 hrs
  - MUL 2014 Introduction to Music History and Literature 3 hrs

Take one of the following courses: (3 hrs)
- THE 2000 Theatre Survey or 3 hrs
- THE 2020 Survey of Theatre for Majors 3 hrs

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- The internship will be a capstone experience taking an average of ten hours per week. Students are responsible for securing an internship position, which may be paid or unpaid, on- or off-campus, with qualifying performing arts organization. Students will secure approval for internship positions and responsibilities from the department curriculum committee.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- MAR 3023 Marketing 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- PAD 4144 Nonprofit Organizations 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 4148 Volunteer Management 3 hrs
- PAD 4149 Internship 1 hr
- TPA 4400 Theatre Management 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- THE 2020 Survey of Theatre for Majors 3 hrs

Internship (3 hrs)
- THE 4941 Internship 1 hr

Restricted Electives (9 hrs)
- Select three courses, one from each of the three different areas.
- FIN 2100 Personal Finance and Investments 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs

Management (3 hrs)
- MAR 3023 Marketing 3 hrs
- MAN 3025 Management of Organizations 3 hrs

Nonprofit Sector (3 hrs)
- PAD 4148 Volunteer Management 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 3003 Public Administration in American Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 30

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted
- At least 15 hours in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
Minors

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 2847 Logic and Ethics or 3 hrs
      - PHI 3131 Formal Logic II or 3 hrs
      - PHI 2108 Critical Thinking 3 hrs
  - History of Philosophy
    - Select 1: 3 hrs
      - PHH 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 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
      - 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 or 3 hrs
      - PHM 3020 Philosophy of Love or 3 hrs
      - PHI 4073 Medical Ethics 3 hrs
  - Being and Knowing
    - Select 1: 3 hrs
      - PHI 4500 Metaphysics or 3 hrs
      - PHI 4541 Ways of Knowing or 3 hrs
      - PHI 4300 Theories of Knowledge or 3 hrs
      - PHI 3700 Philosophy of Religion or 3 hrs
      - PHI 4400 Philosophy of Science or 3 hrs
      - PHI 3320 Philosophy of Mind or 3 hrs
      - PHI 3451 Philosophy of Psychology or 3 hrs
      - PHI 4420 Philosophy of Social Science or 3 hrs
      - PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
      - PHP 4782 Phenomenology or 3 hrs
      - PHI 4221 Philosophy of Language 3 hrs
  - Topics in Philosophy
    - Select 1: 3 hrs
      - PHI 4831 Philosophy in the News or 3 hrs
      - PHI 4321 Philosophies of Embodiment: Mind/Body or 3 hrs

Restricted Electives (3 hrs)
- Select one additional course from any of the courses listed above.
- 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
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

Physics - Minor
College of Sciences
Department of Physics, Physical Sciences, Room: 430
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)
- PHY 2049C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Restricted Electives (9 hrs)
- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Political Science - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politics.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.
- Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
- Students who major in International and Global Studies, and minor in Political Science/Prelaw 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.
- 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
- POS 2041 American National Government 3 hrs

Restricted Electives
- 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).

Select 1: 3 hrs
- 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.
Minors

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 4 hrs
  EXP 3604C Cognitive Psychology or 4 hrs
  PSB 4204C Neuropsychology or 4 hrs
  EXP 3640 Psychology of Language 4 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 3020 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

E. Select one additional Psychology elective 3 hrs
- The following courses will NOT fulfill this requirement:
  INP 3141C Advanced Applied Psychology 3 hrs
  INP 3951 Industrial/Organizational Field Work 3 hrs
  PSY 3905 Directed Independent Study 1 hr
  PSY 4306 Directed Independent Study or 3 hrs
  PSY 4912 Directed Independent Research or 3 hrs
  1PSY 3951 Undergraduate Field Work 3 hrs

1 This course may fulfill the requirement with prior approval.

Foreign Language Requirements
- None

Total Semester Hours Required
- 25

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Public Administration - Minor

College of Health and Public Affairs
School of Public Administration, Health and Public Affairs, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Dr. Michael Abels, michael.abels@ucf.edu, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
- PAD 3003 Public Administration in American Society 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Human Resource Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.

Real Estate - Minor

College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration I, Room: 427
Students seeking advising must go to BA 2 room 101.
http://www.bus.ucf.edu/realestate/
Phone: 407-823-3575

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses (6 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Required Courses (12 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403 Business Finance 3 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs

Restricted Electives (6 hrs)
- Select 2: 6 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 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
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
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
- None

Studying Religion and Culture
- 3 hrs
  REL 2000 Introduction to Religious Studies

Traditions
- 6 hrs
  Must select one in each category
  
  Abrahamic Traditions
  - 3 hrs
    REL 3403 Christianity or
    REL 3363 Islam or
    REL 3320 Moses, Jesus and Muhammad or
    REL 3432 Roots of Western Mysticism or
    JST 3401 Jewish People in Antiquity

  Asian and Indigenous Traditions
  - 3 hrs
    REL 3340 Buddhist Thought or
    AN 3245 Native American Religions or
    REL 3333 Hinduism

  Theories and Methods
  - 6 hrs
    Must select one in each category
    
    Religion
    - 3 hrs
      REL 4936 Key Figures in Religion and Cultural Studies or
      REL 4496 Key Concepts in Religion and Cultural Studies
      PHI 3700 Philosophy of Religion

    Cultural Studies
    - 3 hrs
      HUM 4459 American Cultural Studies in Humanities or
      HUM 3805 Critical Theory in the Humanities or
      HUM 3326 Theories of Sex and Gender in Humanities or
      HUM 4823 Queer Theory in the Humanities or
      HUM 4826 Postcolonial Theory or
      PHI 4804 Critical Theory
Minors

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/
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

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 (18 hrs)
- None

Other Requirements
- A C- or better is required in these courses
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

Social Science Education - Minor
College of Education 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 Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

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)
- A C- or better is required in these courses
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SSE 4361 Social Science Instructional Analysis 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Secure Computing and Networks - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@csucf.edu, 407-823-3327

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CIS 3350 Security in Computing 3 hrs
- CIS 3362 Cryptography and Information Security 3 hrs

Restricted Electives (12 hrs)
- Elective Courses: Select any four courses from the following list.

Select 4:
- CNT 4403 Network Security and Privacy or 3 hrs
- CIS 4361 Secure Operating Systems and Administration or 3 hrs
- CIS 4615 Secure Software Development and Assurance or 3 hrs
- CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs
- CNT 4704 Analysis of Computer Communication Networks or 3 hrs
- COP 4600 Operating Systems or 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor
Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 18 hrs of courses in social science as co-requisites.
- At least 12 hours in the minor must be earned at UCF.
- Obtain a minimum 2.5 GPA in courses required for minor.

Sociology - Minor

College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
Email: sociology@ucf.edu
Dr. Elizabeth E. Mustaine, libby@ucf.edu
Phone: 407-823-3744

Minor Admission Requirements
- The minor is not open to Sociology majors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.
- No more than 3 hours of Independent Study credit can be used toward the minor.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
- SYG 2000  Introduction to Sociology  3 hrs

Restricted Electives (15 hrs)
- 2000-4000 level Sociology courses  3 hrs
- Restricted Upper Division Electives  12 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 internship credit cannot be used toward the minor.

Spanish - Minor

College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 519
http://mll.cah.ucf.edu/
Dr. Francisco J. Fernandez-Rubiera, Rubiera@ucf.edu

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- SPN 3300  Advanced Spanish Grammar and Composition  3 hrs
- SPN 3420  Spanish Composition  3 hrs
- 1 SPN 3760  Advanced Spanish Oral Communication  3 hrs

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

Restricted Electives (9 hrs)
- Select three upper division Spanish language courses offered in the Department of Modern Languages.
- Approval of a departmental advisor is required prior to registration.

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.

Sport Business Management (SPB) - Minor

College of Business Administration
DeVos Sport Business Management,
Business Administration II, Room: 205
http://www.bus.ucf.edu/sportbusiness/?page=1689
Dr. Scott Bukstein, Program Coordinator for Sport Business Minor, scott.bukstein@ucf.edu, 407-823-1513

Open to Business and Non-Business majors. Minor will only be awarded at the time of degree completion. 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 (18 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
- 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

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- SPB 3003 is the prerequisite for all other required courses in the minor.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- 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.
Minors

- 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 courses can count toward another major or minor degree program.

Statistics - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, david.nickerson@ucf.edu
Phone: 407-823-2289

Minor Admission Requirements
- The minor is not open to Statistics majors.

Minor Requirements
- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- STA 4163: Statistical Methods II 3 hrs
- STA 4164: Statistical Methods III 3 hrs

Select 1: (3 hrs)
- STA 2023: Statistical Methods I or 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
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Technical Education and Industry Training - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, JoAnn.Whiteman@ucf.edu, 407-823-5305

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 available to students in the College of Education and Human Performance with the exception of Sport and Exercise Science. The minor 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
- 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
- None

Prerequisite Courses
- None

Restrained Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum of 4 courses of the 6 required must be completed at UCF within the program of courses listed above.
- A grade of "C" (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used toward 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, 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 to create opportunity to blend technical expertise with broad entrepreneurial thinking skills. This combination prepares students to create opportunity to blend technical expertise with broad entrepreneurial thinking skills.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Technical Education and Industry Training - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, JoAnn.Whiteman@ucf.edu, 407-823-5305

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 available to students in the College of Education and Human Performance with the exception of Sport and Exercise Science. The minor 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
- 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
- None

Prerequisite Courses
- None

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum of 4 courses of the 6 required must be completed at UCF within the program of courses listed above.
- A grade of "C" (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used toward 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, 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 to create opportunity to blend technical expertise with broad entrepreneurial thinking skills.
area knowledge. This minor program is available to students from varying disciplines to enhance their capability to address the threat of terrorism and understand how it might impact their own field.

**Admission Requirements**

- None

**Minor Requirements**

- A grade of "C" (2.0) or better is required in all courses counting towards the minor.
- At least 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion (for a maximum of 3 credit hours).
- No more than 3 credit hours may overlap with any other major or minor.

**Prerequisite Courses**

Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**

- (6 hrs)
  - DSC 4012 Terrorism 3 hrs
  - INR 4084 Politics of International Terrorism 3 hrs

**Restricted Electives**

- (12 hrs)
  - Select two from the following:
    - 6 hrs
      - INR 4335 Coercion in International Politics 3 hrs
      - INR 3930H ST: Honors Terrorism from a Global Perspective 3 hrs
      - COM 4416 Terrorism and Communication 3 hrs
      - INR 4114 American Security Policy 3 hrs
      - DSC 4013 Homeland Security and Criminal Justice 3 hrs
      - INR 4364 The Intelligence Community 3 hrs
      - CCI 4076 Crime Intelligence and Investigative Support Analysis 3 hrs
      - CPO 3057 Contemporary Revolution and Political Violence 3 hrs
      - INR 4764 Cyberwarfare Policy 3 hrs

**Restricted Upper Division Electives (3000 level or above)**

- Two classes focused on regional/issue area study.
- Classes to be chosen in consultation with the program director. Students are encouraged to propose course selections that are relevant to their expertise (e.g. computer science/cyber-warfare, physical sciences/bio-weapons proliferation by non-state actors) for approval by program director. The pairings below serve as examples only.

**For Example:**

- CPO 3403 Politics of the Middle East and 3 hrs
- ASH 3223 The Modern Middle East 3 hrs
- or
- LAH 3400 History of Mexico and Central America and 3 hrs
- INR 4243 International Politics of Latin America 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A minimum GPA of 2.25 is required for acceptance into this minor degree program.
- A cumulative GPA of 2.0 is required to successfully complete the minor.
- Students must have a grade of “C” (2.0) or better in all courses in the minor.
- At least 12 credit hours in the minor must be from UCF.

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**Theatre - Minor**

**College of Arts and Humanities**

**Department of Theatre, Performing Arts Center, Room: T210A**

**http://theatre.cah.ucf.edu/**

**Email:** theatre@ucf.edu

**Phone:** 407-823-2862

**Minor Admission Requirements**

- Email the following application materials to theatre@ucf.edu:
  - A statement of why you want to become a Theatre Minor
The Women’s and Gender Studies minor emphasizes intersectional approaches to the study of gender, race, class, ethnicity, and sexuality in national and transnational contexts. Course offerings examine social constructions of sex and gender and provide 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, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theater, and the Women’s Studies Program. Subcategories of focus include feminist theories, girl studies, queer studies, and global and transnational issues.

Minor Admission Requirements

Students cannot earn both the minor in Women’s and Gender Studies and the Certificate on Gender Studies.

Prerequisite Courses

Required Courses (12 hrs)

WST 3015 Introduction to Women’s Studies 3 hrs
WST 3603 Introduction to Gender Studies 3 hrs
Select 2: 6 hrs
- Select two courses from the Theories Group, one of which must be a WST prefixed course.
  - WST 3522 First and Second Wave Feminisms or 3 hrs
  - WST 3561 Third Wave Feminisms or 3 hrs
  - WST 3621 Theories of Masculinity or 3 hrs
  - WST 4415 Global and Transnational Feminism or 3 hrs
  - LIT 4554 Advanced Feminist Theories or 3 hrs
  - PHIL 3123 Feminist Theories or 3 hrs
  - WST 3020 Girls’ Studies or 3 hrs
  - WST 3460 Women, Race and Struggle or 3 hrs
  - HUM 4823 Queer Theory in the Humanities or 3 hrs
  - HUM 3326 Theories of Sex and Gender in Humanities or 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, 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 3371 Women and Leadership 3 hrs
- WST 3500 Gender Issues and Community Activism 3 hrs
- WST 4002 Research in Women and Gender Studies 3 hrs
- WST 4021 Girls and Leadership 3 hrs
- WST 4349 Ecofeminism 3 hrs
- WST 4023 Virtual Girls 3 hrs
- WST 4022 Girls and the Body 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
- EUH 4610 Women in European Society: From Medieval to Modern 3 hrs
- AMH 4680 Women in American Science 3 hrs
- JST 3510 Notable Women in Jewish History 3 hrs

Representations of Women
- AML 3283 Contemporary American Women’s Fiction 3 hrs
- ARH 4871 Women in Art 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- FIL 3880C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- PHIL 3022 Sexuality, Gender & Philosophy 3 hrs
- LIT 3381 Women Writers of Color 3 hrs
- AML 3286 Early American Women’s Words 3 hrs
- ENC 4374 Gendered Rhetorics 3 hrs
- THE 3272 What a Drag: The Art of Transgender in Entertainment 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

Gender 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
- PHI 3629 Family Values 3 hrs
- PHIL 3020 Philosophy of Love 3 hrs

Foreign Language Requirements
- None
- Total Semester Hours Required 18

Other Requirements
- Minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, military credit) may be used.

World Comparative Studies - Minor
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- IDS 3333 World Comparative Studies 3 hrs

Restricted Electives (15 hrs)
- Thematic Concentrations: Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor without permission of the Interdisciplinary Studies office.
Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

Language and Culture
- Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.
  - AML 3615 Harlem, Haiti, and Havana 3 hrs
  - ANT 3145 Archaeology of Complex Societies 3 hrs
  - ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs
  - ANT 3212 Peoples of the World 3 hrs
  - ANT 4702 Culture, Inequality and Global Development 3 hrs
  - ECO 3008 Culture and Cuisine 3 hrs
  - ECO 4713 International Macroeconomics 3 hrs
  - ECP 4013 Development Economics 3 hrs
  - ECO 3302 Economics and the Environment 3 hrs
  - HFT 3894 International Gastronomy 3 hrs
  - REL 3363 Islam 3 hrs

Economics
- ANT 4702 Culture, Inequality and Global Development 3 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECS 4013 Development Economics 3 hrs
- ECO 3302 Economics and the Environment 3 hrs
- HFT 3894 International Gastronomy 3 hrs
- INR 4035 International Political Economy 3 hrs
Minors

### Biological and Geophysical Environment
- **IDS 3150** Foundations of Environmental Studies 3 hrs
- **ECP 3302** Economics and the Environment 3 hrs
- **SYD 4510** Environment and Society 3 hrs
- **HFT 4735** Tourism Geography 3 hrs
- **INR 4351** International Environmental Law 3 hrs
- **ENV 3001** Introduction to Environmental Engineering 3 hrs
- **GIS 3043C** GIS for Environmental Studies 3 hrs
- **PHI 3033** Philosophy, Religion, and the Environment 3 hrs
- **PHI 3640** Environmental Ethics 3 hrs

### Social Structure and Change
- **ANT 3145** Archaeology of Complex Societies 3 hrs
- **ANT 3273** Law and Culture 3 hrs
- **ANT 4702** Culture, Inequality and Global Development 3 hrs
- **PLA 4830** World Legal Systems 3 hrs
- **SYP 4454** Global Inequality and Society 3 hrs

### Media and Communication
- **FIL 3845** World Cinema Traditions 3 hrs
- **COM 4461** Intercultural Communication 3 hrs
- **LIN 4643** Cross Cultural Communication 3 hrs
- **THE 4212** Global Theatre 3 hrs
- **FIL 3842** International Cinema 3 hrs

### World Independent Specialization
- Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

### Foreign Language Requirements
- Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

### Total Semester Hours Required
- **18**

### Other Requirements
- A grade of “C” (2.0) or above is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.

### 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)
- **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
- **EDF 4467** Learning Theory and Assessment 3 hrs
- **TSL 4080** Theory of Practice of Teaching ESOL Students in Schools 3 hrs
- **TSL 4943** L2 Academic Language Instruction 3 hrs
- **TSL 4942** ESOL Field Experience 3 hrs
- **Select 1:**
  - TSL 4240 Issues in Second Language Acquisition or 3 hrs
  - TSL 4945 ESOL Clinical Experience 3 hrs

#### Restrict Electives
- None

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- **18**

#### Other Requirements
- None

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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. 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
<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(18 hrs)</th>
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<tbody>
<tr>
<td>EDG 4410  Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4467  Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080  Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
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<tr>
<td>FLE 4333  Foreign Language Teaching in the Secondary School</td>
<td>3 hrs</td>
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<tr>
<td>FLE 4314  Foreign Language Teaching in Elementary Schools</td>
<td>3 hrs</td>
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<tr>
<td>TSL 4943  L2 Academic Language Instruction</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Electives</td>
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<td>None</td>
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<td>Foreign Language Requirements</td>
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<td>None</td>
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<tr>
<td>Total Semester Hours Required</td>
<td>18</td>
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<tr>
<td>Other Requirements</td>
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<tr>
<td>None</td>
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</tbody>
</table>

**Writing and Rhetoric - Minor**

**College of Arts and Humanities**

**Department of Writing and Rhetoric,**

Colbourn Hall, Room: 301 B


Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057

Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349

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**

- Students should take core course as early in the program as possible.
  - ENC 3331  Rhetoric and Civic Engagement | 3 hrs

**Restricted Electives**

- Theories and Histories of Writing, Rhetoric, and Literacy | (15 hrs)
- Students must take at least one course from the following:
  - ENC 3373  Cultural Rhetorics | 3 hrs
  - ENC 4374  Gendered Rhetorics | 3 hrs
  - ENC 3521  Writing Across Difference | 3 hrs
  - ENC 3417  Literacy and Technology | 3 hrs
  - ENC 3503  Topics in Writing & Literacy Studies | 3 hrs
  - ENC 4434  Visual and Material Rhetorics | 3 hrs
  - ENC 3315  Argumentative Writing | 3 hrs

**Applications of Writing and Rhetoric**

- 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 | 3 hrs
  - ENC 4353  Writing for Social Change | 3 hrs
  - ENC 3375  Rhetoric in Popular Culture | 3 hrs
  - ENC 4354  Writing with Communities and Nonprofits | 3 hrs
  - ENC 3372  Topics in Civic Rhetoric and Writing | 3 hrs
  - ENC 4378  Writing in Global and Transnational Contexts | 3 hrs

**Professional and Digital Writing**

- ENC 3250  Professional Writing | 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 3454  Topics in Professional and Digital Writing | 3 hrs
- ENC 3473  Writing in Disciplinary Cultures | 3 hrs
- ENC 3351  Writing for Publication | 3 hrs
- ENC 4416  Writing in Digital Environments | 3 hrs
- ENG 3833  Marketing Your Writing | 3 hrs
- ENC 4233  Multimedia Writing and Composition | 3 hrs
- ENC 4275  Theory and Practice of Tutoring Writing | 3 hrs

**Additional Restricted Electives**

- 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.
  - 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 (ENC 4950) approved by the program director or advisor.
- Students must earn a minimum 2.5 GPA in coursework used to satisfy the minor and a minimum 2.0 GPA across all attempts of courses that could be 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.
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 courses.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9-credit-hour field education course.

Prerequisite Courses
- None

Required Courses (6 hrs)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs

Required Internship: (Select one) 3 hrs
1. SOW 4510 Field Education 9 hrs
2. SOW 4941 Internship 9 hrs
- HSA 4941 Internship 3 hrs
- PSY 3951 Undergraduate Field Work 3 hrs
- SYP 4941 Internship 3 hrs

1. Full-time social work majors only. Cannot be used with SOW 4941.
2. Part-time social work majors over two semesters only. Cannot be used with SOW 4510.

Restricted Electives (9 hrs)
- Students select three additional courses from the following courses: A maximum of two courses 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 4645 Social Services for the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs

Other Colleges (3 hrs)
- DEP 3464 Psychology of Aging 3 hrs
- SYE 4730 Patterns of Aging in Society 3 hrs
1. GEY 5007 Women and Healthy Aging 3 hrs
1. SYE 4732 Minority Aging 3 hrs

1. Open to undergraduates with senior standing

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum grade of “C” (2.0) required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military Credit) may be used.
- Independent Study cannot be used toward the certificate.

Anthropology of Global Health - Certificate

College of Sciences
Department of Anthropology
http://www.cos.ucf.edu/anthropology
Email: anthro@ucf.edu
Dr. Joanna Mishal
Phone: 407-823-2227

The Anthropology of Global Health Certificate offers students the opportunity to pursue the rapidly growing field of global health from an anthropological perspective, which examines global health problems by situating them in local contexts. Global health issues such as refugee health, global mental health, and emergent “superbugs” (e.g., Ebola), are of increasing concern and interest. Health is also the focus of the work of numerous public, private, non-governmental and non-profit organizations in the U.S. and abroad. This Certificate allows UCF students in any major interested in health to pursue this educational focus.

Admission Requirements
- None

Certificate Requirements
- A minimum overall 2.0 GPA is required in courses used to satisfy requirement.
- At least 12 hours used toward the certificate must be earned at UCF.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the required Anthropology Major courses.

Prerequisite Courses
- None

Required Courses (6 hrs)
- Students must satisfy the prerequisites, if any, for each course before enrolling in the class.
- ANT 4480 Global Health in Anthropological Perspective 3 hrs

Choose one of the following:
- ANT 4008 Culture, Disease, and Healing 3 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs

Restricted Electives (9 hrs)
- Students select 3 additional courses from the following list:
- ANT 3701 Engagement & Social Change: Public 3 hrs
- ANT 4013 Anthropology of Food 3 hrs
- ANT 4702 Culture, Inequality and Global Development 3 hrs
- ANT 4462 Medical Anthropology 3 hrs
- COM 4550 Health Communication Campaigns 3 hrs
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3103 Comparative Politics 3 hrs
- ENC 3453 Writing About Health and Medicine 3 hrs
- ENC 4378 Writing in Global and Transnational Contexts 3 hrs
- GEO 3471 World Political Geography 3 hrs
- HSA 3012 Issues & Trends in Public Health 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- HSC 4201 Community Health 3 hrs
- INR 4058 Global Perspectives 3 hrs
- INR 3016 Global Political Issues 3 hrs
- INR 4035 International Political Economy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4350 Global Environmental Politics 3 hrs
- INR 4075 Human Rights Policy 3 hrs
- INR 4011 Politics of Globalization 3 hrs
INR 4085 Women, Gender, and Globalization 3 hrs
MCB 4276 Epidemiology of Infectious Diseases 3 hrs
PAF 4754 Interdisciplinary Leadership in Public Affairs 3 hrs
PUP 4602 Politics of Health 3 hrs
SYP 4454 Global Inequality and Society 3 hrs
SYO 4400 Medical Sociology 3 hrs
SYO 4401 Social Determinants of Health 3 hrs
SYO 4132 Global Family Trends 3 hrs
WST 3020 Girls Studies 3 hrs
WST 4415 Global and Transnational Feminism 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Relevant Internship, Research, or Independent Study credit can be used to replace one elective course only with prior approval from the certificate advisor.
- One substitution for an Elective Course with another relevant course will only be allowed with prior approval from the certificate advisor.

Certificates

Behavioral Forensics - Certificate
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://psychology.cos.ucf.edu
Email: kmottare@ucf.edu
Dr. Karen Mottarella
Phone: 321-433-7982

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.

Prerequisite Courses (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 3 hrs
  SYO 2000 Introduction to Sociology 3 hrs

Take all of the following: 6 hrs
- Complete both classes:
  PPE 3003 Personality Theory and Research and
  SYP 3510 Sociology of Deviant Behavior 3 hrs

Required Courses (9 hrs)
- CLP 4330 Forensic Psychology 3 hrs
- SOP 3751 Legal Aspects of Psychology 3 hrs
- SYP 3520 Criminology 3 hrs

Restricted Electives (12 hrs)
- Note: It is the student’s responsibility to meet all prerequisites for every course selected.

Psychology: Select from the following: 3 hrs
- CLP 3143 Abnormal Psychology 3 hrs
- CLP 3302 Clinical Psychology 3 hrs
- CLP 4134 Childhood Psychopathology 3 hrs
- PCO 4203C Interviewing and Counseling 3 hrs

Sociology: Select from the following: 6 hrs
- SYP 3511 Sociology of Murder 3 hrs
- SYP 3530 Juvenile Delinquency 3 hrs
- SYP 3540 Sociology of Law 3 hrs
- SYP 3562 Patterns of Domestic Violence in Society 3 hrs
- SYP 4514 Patterns of Violence in Society 3 hrs
- SYP 4521 Crime Victims in Society 3 hrs
- SYP 4536 Gangs and Society 3 hrs

Criminal Justice: Select from the following: 3 hrs
- CJE 4512 Criminal Profiling in Criminal Justice 3 hrs
- CJE 4630 Serial Murder and Criminal Justice 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 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
- CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs

Foreign Language Requirements
- None

Children’s Services - Certificate
College of Health and Public Affairs
School of Social Work,
Health and Public Affairs I, Room: 204
Email: socialwk@ucf.edu
BSW Coordinator
Phone: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about practice considerations in providing services to children and families. Students are prepared to identify a variety of problems such as child abuse, neglect, childhood trauma, and family dynamics essential for identifying service delivery to this population. The certificate includes both classroom academic work and a specialized field internship. This certificate assists in improving services to children and their families. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- Must be a BSW major.

Certificate Requirements
- Placement in an agency that serves children.
- Students need to discuss their interest in the certificate with the field office when BSW placements are being arranged.

Required Courses (18 hrs)

Take all of the following: 9 hrs
- Complete both: 3 hrs
  SOW 3352 Practice II: Interpersonal Skills in Social Work:
  SOW 4654 Children’s Services 3 hrs
  SOW 4650 Child Abuse: Treatment and Prevention 3 hrs

Select 1: 9 hrs
- SOW 4510 Field Education 3 hrs
- SOW 4941 Internship 3 hrs

1 (for full-time students ONLY)
2 (for part-time students over two semesters)
Certificates

Restricted Electives
- None
Foreign Language Requirements
- None
Total Semester Hours Required
- 18
Other Requirements
- None

College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None
Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.
Prerequisite Courses
- There are no certificate program prerequisites; however, individual courses may have prerequisites.
Required Courses (9 hrs)
- 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:
  - CJE 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
- 18
Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

Criminal Profiling - Certificate
College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
R. Cory Watkins, 407-823-2603

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today's law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for
which profiling is most useful. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (12 hrs)
- CLP 3143 Abnormal Psychology 3 hrs
- CJ 4630 Criminal Profiling in Criminal Justice 3 hrs
- CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
- CJE 4012 Criminal Profiling in Criminal Justice 3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - DSC 4012 Terrorism 3 hrs
  - CJ 4610 Criminal Investigation 3 hrs
  - CJ 4195 Interviews & Interrogations in CJ 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Cultural Tourism - Certificate

College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom 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 Studies, History, Anthropology, and Political Science.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3700 Tourism Management 3 hrs
- HFT 4735 Tourism Geography 3 hrs
- ANT 4303 Anthropology of Tourism 3 hrs

Restricted Electives (3 hrs)
- Choose two courses 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: Global Perspectives, Local Contexts 3 hrs
- ANT 3115 Archaeological Method and Theory 3 hrs
- ANT 3701 Engagement & Social Change: Public Anthropology 3 hrs

Environmental Tourism area (choose two classes)
- BOT 3152C Local Flora 3 hrs
- PCB 3442 Aquatic Ecology 3 hrs
- NR 4351 International Environmental Law 3 hrs
- PUP 3203 Environmental Politics 3 hrs
- PUP 3204 Sustainability 3 hrs
- SYD 4510 Environment and Society 3 hrs

Latin American area (choose two classes)
- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ARH 4653 Meso American Art 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAH 3130 Latin American History I 3 hrs
- LAH 3200 Modern Latin America 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

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.
Certificates

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
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

Educational Studies - Certificate
College of Education 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 Education minor that includes a sixth course is also an option for students who choose not to pursue the Educational Studies Certificate. 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 4636 Programs in Teaching Social Science 3 hrs
- LAE 4464 Survey of Adolescent Literature 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- 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.

Engineering Leadership - Certificate
College of Engineering and Computer Science
Dr. Timothy Kotnour, Timothy.Kotnour@ucf.edu, 407-823-5645

Provides a knowledge base in technical leadership and management principles and practices in a technical environment. This certificate is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering and computer science professions.

Admission Requirements
- Students must have a declared Computer Science or engineering major. Not open to students in engineering pending majors.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- Discipline specific design course in engineering or Computer Science 3 hrs
- EGS 3030 Leadership in Engineering I 0 hrs
- EGS 3031 Leadership in Engineering II 0 hrs
- EGS 4950 Engineering Leadership Capstone 3 hrs

Pick 2 of the following courses 6 hrs
- ENT 4183 Technological Entrepreneurship or 3 hrs
- EGS 4624 Engineering Innovation and Leadership or 3 hrs
- MAR 3391 Professional Selling 3 hrs

1 Engineering Leadership Capstone

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- Students must have a minimum grade of “C” (2.0) or Satisfactory (in eligible courses) in all courses in the certificate.
- This certificate must be earned in conjunction with a degree in engineering or Computer Science.
- Not open to students seeking the Engineering Leadership Minor.
- Any course substitution must be approved by the Associate Dean responsible for Undergraduate Curriculum within CECS.
Entrepreneurship - Certificate
College of Business Administration
Department of Management
Business Administration I, Room 309
Entrepreneurial thinking skills that help individuals recognize opportunities, organize resources, and implement plans are essential to launching new companies and innovative corporate ventures. The entrepreneurship certificate provides students with an interdisciplinary, experiential opportunity to learn how to develop and launch new ventures in a variety of industry settings. The certificate requires students to be admitted into a selective two-course New Venture Development cohort program that engages interdisciplinary teams in the process of designing and launching a new venture. The certificate is open to students in any discipline who are interested in innovation and new venture startup processes.

Admission Requirements
- Admission by Management Department approval.
- Requires submission of application. Department committee will select cohorts of approximately 40 participants based on the application and interviews.

Certificate Requirements
- No course grade lower than a “C” (2.0) in the required or elective courses.

Prerequisite Courses
- None

Required Courses (12 hrs)
- ENT 4013 New Venture Design 3 hrs
- ENT 4014 New Venture Implementation 3 hrs

Select 1: 6 hrs
- ENT 3613 Creativity and Entrepreneurship 3 hrs
- ENT 4183 Technological Entrepreneurship 3 hrs
- ENT 4503 Social Entrepreneurship 3 hrs
- GEB 4111 New Venture Finance 3 hrs
- MAR 3765 Entrepreneurial Marketing 3 hrs
- ENT 4014 New Venture Implementation 3 hrs

1 Internships must be in collaboration with a local startup, small business, or entrepreneurship support organization. Internship packets are available in the Management Department (309 BA1).

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

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

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
- 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

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

Select 1: 3 hrs
- MAR 3391 Professional Selling or
- ACG 3121 Financial Accounting I 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
Certificates

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
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of “C” (2.0) or better is required in each course used to satisfy the Gender Studies Certificate.
- At least 9 hours used in the certificate must be earned at UCF.

Gender Studies - Certificate
College of Arts and Humanities
Program in Women’s Studies, Colbourn Hall, Room: 118
http://womenstudies.cah.ucf.edu/
Email: womenst@ucf.edu
Dr. M.C. Santana
Phone: 407-823-6502

The certificate program in Gender Studies is designed to provide students with a foundation for discussions of gender, sexuality, and other intersectionalities through a historical and cultural lens, with an awareness of the fluidity of gendered identities and the diversity of gendered experiences.

Certificate Admission Requirements
- None

Certificate Requirements
- Students cannot earn the Gender Studies certificate and the Women’s and Gender Studies minor.

Prerequisite Courses
- None

Required Courses (3 hrs)
- WST 3603 Introduction to Gender Studies 3 hrs

Restricted Electives (9 hrs)
- Students can select from the restricted electives listed for a total of 9 hours.
- WST 3621 Theories of Masculinity 3 hrs
- WST 3500 Gender Issues and Community Activism 3 hrs
- WST 4002 Research in Women and Gender Studies 3 hrs
- HUM 4823 Queer Theory in the Humanities 3 hrs
- HUM 3326 Theories of Sex and Gender in Humanities 3 hrs
- ENC 4374 Gendered Rhetorics 3 hrs
- THE 3272 What a Drag: The Art of Transgender in Entertainment 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- ANT 3302 Sex, Gender and Culture 3 hrs
- SYD 3800 Sex and Gender in Society 3 hrs
- WST 4941 Internship 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy 3 hrs
- Internship required by a student’s major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women’s issues.

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Health Communication - 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.

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 a 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 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 Persuasion 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.

Human Biology - Certificate
College of Sciences
Department of Anthropology
http://cos.ucf.edu/anthropology
Department of Biology
http://cos.ucf.edu/biology
Dr. John Schultz, John.Schultz@ucf.edu

The Human Biology certificate blends biological anthropology with a foundation in anatomy and the biological sciences. The minor is
Certificates

especially appropriate for anthropology, biology, and biomedical sciences students seeking an enhanced and interdisciplinary foundation in human biology.

Certificates will be awarded only at the time of degree completion.

Admission Requirements
- None
- 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.
- Students must select and meet with a certificate advisor in either the Anthropology or Biology department.

Certificate Requirements
- None

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (7 hrs)
- ANT 2511 The Human Species 3 hrs
- BSC 2010C Biology I 4 hrs

Restricted Electives (12 hrs)
- Anthropology majors must select courses from Restricted Electives Group A.
- Biology majors must select courses from Restricted Electives Group B.
- Biomedical Sciences majors must select courses from Restricted Electives Group C.

Restricted Electives Group A:
- Anthropology Majors select four courses from the list below:
  - BSC 2011C Biology II 4 hrs
  - PCB 3044 Principles of Ecology 3 hrs
  - PCB 3063 Genetics 3 hrs
  - PCB 3703C Human Physiology 4 hrs
  - ZOO 3701C Human Gross Anatomy & Dissection Techniques 3 hrs
  - ZOO 3733C Human Anatomy 4 hrs
  - ZOO 3713C Comparative Vertebrate Anatomy 5 hrs
  - PCB 4683 Evolutionary Biology 4 hrs
  - ZOO 4513 Animal Behavior 3 hrs

Restricted Electives Group B:
- Biology Majors select four courses from the list below:
  - ANT 3115 Archaeological Method and Theory 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3550C Primatology 3 hrs
  - ANT 4027 Mummies, Life After Death 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 4586C Human Origins 3 hrs

Restricted Electives Group C:
- Biomedical Sciences Majors select four courses from the list below:
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3550C Primatology 3 hrs
  - ANT 4027 Mummies, Life After Death 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 4586C Human Origins 3 hrs
  - PCB 4683 Evolutionary Biology 4 hrs
  - ZOO 4513 Animal Behavior 3 hrs
  - ZOO 3713C Comparative Vertebrate Anatomy 5 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, research, or Independent Study credit can be used to replace one restricted elective course with approval from a certificate advisor.
- Majors other than Anthropology, Biology, or Biomedical Sciences may earn The Human Biology Certificate but must select courses with a certificate advisor.
- One course substitution for the Human Biology Certificate will only be allowed with prior approval from a certificate advisor.

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 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
  - 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
Certificates

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 Israel: Start-Up Nation 3 hrs

Other courses, including special topics, with the approval of the Director

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Hebrew qualifies for Foreign Language requirement.

Language Development and Disorders - Certificate

College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/csd
Email: csdundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
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, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring or minoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (11 hrs)
- LIN 3716 Language Development 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- LIN 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.

Leadership Studies - Certificate

College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom 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)
- Foundation Requirement 4 hrs
  - LDR 2001 Foundations of Leadership 2 hrs
  - LDR 2002 Intermediate Foundations of Leadership 2 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 or 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 3 hrs
      - SPC 4426 Group Dynamics or 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 304C 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 or 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 or 3 hrs
- Ethics 3 hrs
  - BUL 3130 Legal and Ethical Environment of Business or 3 hrs
  - EDF 3601 Professional Ethics in Education or 3 hrs
  - PAD 3040 Ethics and Values in Public Administration or 3 hrs
  - PHI 2108 Critical Thinking or 3 hrs
  - PHI 3640 Environmental Ethics or 3 hrs
Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 13

Other Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy the certificate.
- At least 12 credit hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

Native American Studies - Certificate
College of Sciences
Department of Anthropology
http://anthropology.cos.ucf.edu
Email: anthro@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.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000 General Anthropology</td>
<td>3 hrs</td>
</tr>
<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>

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3245 Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3312 Ethnology of North American Indians</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 3580 North American Indians</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- 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 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
  - ANT 3160 Americas Before Columbus 3 hrs

Other Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy the certificate.
- At least 12 credit hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

Nonprofit Management - Certificate
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Dr. Stephanie Krick, stephanie.krick@ucf.edu, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4144 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.

Professional Selling and Sales Management - Certificate
College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S
http://web.bus.ucf.edu

Admission Requirements
- Business majors other than marketing.
Certificates

Certificate Requirements
- Admission to, and successful completion of all the requirements for the Professional Selling Program.

Prerequisite Courses
- None

Required Courses (12 hrs)
- MAR 3391 Professional Selling 3 hrs
- MAR 4415 Advanced Professional Selling 3 hrs
- MAR 4413 Strategic Issues in Sales 3 hrs
- MAR 4418 Strategic Sales Force Management 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- Students must earn a minimum 2.5 GPA in coursework used to satisfy the certificate and a minimum 2.0 GPA across all attempts of courses that could be 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 Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- MAR 3391 Professional Selling 3 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4204 Residential Real Estate Finance 3 hrs
- REE 4203 Commercial Real Estate Finance 3 hrs

Select 1: 3 hrs
- MAR 3391 Professional Selling or 3 hrs
- REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

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

Required Courses (15 hrs)
- MAR 3391 Professional Selling 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: 3 hrs
- MAR 3391 Professional Selling or 3 hrs
- REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None
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)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4103 Real Estate Appraisal and Valuation 3 hrs
- MAR 3391 Professional Selling 3 hrs
- REE 4941 Internship 3 hrs

*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 and Public Affairs I, Room: 311

Email: cjadvise@ucf.edu

Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- 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)
- SCC 3311 Security Administration 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 4843 Risk Management in Criminal Justice 3 hrs
- CCJ 4644 White Collar Crime 3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - CJE 3444 Crime Prevention 3 hrs
  - CJT 3821 Practical Security Applications 3 hrs
  - SCC 3316 Special Security Problems 3 hrs
  - DSC 4012 Terrorism 3 hrs
  - DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
- None

Service-Learning - Certificate

College of Undergraduate Studies

Office of Experiential Learning, CSEL, 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
Certificates

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. Students may also contact the Office of Experiential Learning to clarify SL designated courses.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

Substitute Teaching - Certificate
College of Education 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
- Minimum GPA of 2.0 is required in courses used to satisfy the certificate.
- Minimum of 6 hours used in the certificate must be earned at UCF within the participating departments.
- At least 6 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- No credit by exam (CLEP, 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: 519
http://mll.cah.ucf.edu/

Dr. Francisco Fernandez-Rubiera, rubiera@ucf.edu

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 (15 hrs)
SPT 3800  Spanish Translation and Interpretation 3 hrs
SPT 3805  Spanish Translation and Interpretation for Mass Communication 3 hrs

Download PDF
Certificates

SPT 3809  Medical Spanish Translation/Interpretation  3 hrs
SPT 3831  Spanish Legal Translation and Interpretation  3 hrs
SPN 4941  Internship  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the Department.
- Independent Study 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.

Victim Advocacy - Certificate
College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Dr. MaryAnn 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, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate program prerequisites; however, individual courses may have prerequisites.

Required Courses  (9 hrs)
- CCJ 3667 Victims and the CJ System  3 hrs
- CCJ 4670 Women and Crime  3 hrs
- CCJ 4681 Domestic Violence and the Justice System  3 hrs

Restricted Electives  (6 hrs)
- Select two of the following:
  - SYP 4521 Crime Victims in Society  3 hrs
  - NUR 4516 Crisis Intervention  3 hrs
  - SOW 4754 Forensic Social Work Theory and Practice  3 hrs
  - CJJ 4564 Juvenile Justice System  3 hrs
  - CCJ 4690 Sex Offenders and the Criminal Justice System  3 hrs
  - CCJ 4129 Cultural Diversity in Criminal Justice  3 hrs

Foreign Language Requirements
- None

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.
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: 381
http://www.mae.ucf.edu
Email: mmaeugrad@ucf.edu
Dr. Seetha Raghavan, seetha.raghavan@ucf.edu, 407-823-1737
Dr. Hyoun Jin "Joe" Cho, hjcho@ucf.edu, 407-823-8014
Phone: 407-823-5448

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.
- Admission to the Accelerated Program does not guarantee formal admission to the MSAE or MSME program.
- 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 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.
  - EGS 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
  - 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 4226 Introduction to Vibrations and Controls 3 hrs
  - EML 3701 Fluid Mechanics I 3 hrs
  - EML 4142 Heat Transfer 3 hrs

5. Restricted Electives (12 hrs)
- Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.
- Please Note: The Accelerated B.S. to M.S. Program allows students to complete a maximum of 12 credit hours of Graduate level course work for technical elective credit.

6. Capstone Requirements (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.
  - EAS 4700C Aerospace Design I 3 hrs
  - EAS 4710C Aerospace 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
- 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 Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.
- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.

UNIVERSITY OF CENTRAL FLORIDA

418 Undergraduate Catalog 2015-2016
Accelerated Undergraduate-Graduate Programs

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 1106 Finite Mathematics 3 hrs

Select 1:
- Suggested STA 2014C Principles of Statistics 3 hrs
- Suggested STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Suggested PSY 2012 General Psychology 3 hrs

Select 1: 3 hrs
- Suggested ECO 2013 Principles of Macroeconomics 3 hrs
- Suggested ECO 2023 Principles of Microeconomics 3 hrs
- Suggested POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
- Required PHY, CHM, or PSC 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 GEP
   - PSY 2012 General Psychology GEP
   - Any BSC course or ANT 2511 GEP
   - PHY, PSC or CHM 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: 3 hrs
- EAB 3703C Principles of Behavior Modification or 4 hrs
- EEX 4601 Introduction to Behavior Management or 3 hrs
- EEX 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
- Students have two options in completing this requirement.

Option 1: 6 hrs
- STA 2023 Statistical Methods I and 3 hrs
- STA 4163 Statistical Methods II 3 hrs

Option 2:
- STA 2014C Principles of Statistics and GEP
- SPA 6805 Research in Communicative Disorders 3 hrs
- STA 2023 Statistical Methods I and 3 hrs
- SPA 6805 Research in Communicative Disorders 3 hrs

5. Restricted Electives (9 hrs)
- B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
- B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.

6. Capstone Requirements (3 hrs)
- None
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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 6204</td>
<td>Articulation/Phonological Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6410</td>
<td>Aphasia and Related Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6496</td>
<td>Language Disorders in Children and Adolescents</td>
<td>6 hrs</td>
</tr>
<tr>
<td>SPA 6805</td>
<td>Research in Communicative Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6551</td>
<td>Foundations of Clinical Practice: Level I</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Graduate Courses Link
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/academiclearningcompacts.html

Equipment Fees
■ Part-Time Student: $17.50 per term
■ Full-Time Student: $35 per term

Computer Engineering - Accelerated Undergraduate-Graduate Program
(B.S.Cp.E. / M.S.Cp.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: ecece-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.
■ Admission to the Accelerated Program does not guarantee formal admission to the MSPE program.

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
   ■ EGS 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
   ■ STA 3032 Probability and Statistics for Engineers GEP
   ■ Select 1: 3 hrs
   ■ EGN 3321 Engineering Analysis-Dynamics 3 hrs
   ■ EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

   Courses Required for the Major
   ■ EGN 3310 Engineering Analysis-Statics 3 hrs
   ■ COP 3502C Computer Science I 3 hrs
   ■ COP 3503C Computer Science II 3 hrs

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5. Restricted Electives (9 hrs)
   Technical electives should be taken at the 5000 level and are available in the BSCpE 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)
   Technical elective or course requirements for the major.

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

8. Electives
   - None

9. Additional Requirements
   - 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 Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major.
- Contact the EE/CpE Graduate Coordinator in the Electrical Engineering & Computer Science department for acceptable courses.

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 Corp. Engineering Center, Room: 437
http://www.eecs.ucf.edu
Dr. Hassan Foroosh, foroosh@eecs.ucf.edu
Kelly Brussel, kelly.brussel@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.
- Admission to the Accelerated Program does not guarantee formal admission to the MS program.

Degree Requirements
- None

1. UCF General Education Program (GEP) (39 hrs)
   - See Computer Science major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (17 hrs)
   - See Computer Science major in the catalog for the CPP requirements.
3. Core Requirements: Basic Level  (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
- CDA 3103C 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
- COT 3960  CS Foundation Exam  0 hrs

Select 1:
- ENC 3241  Writing for the Technical Professional  3 hrs
- ENC 3250  Professional Writing  3 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.
  - COP 4331C Processes for Object-Oriented Software Development  3 hrs
  - 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
  - At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed.

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. This requirement is waived for second degree seeking students.

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
- 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 Undergraduate Hours Required
- 120

Total Combined Hours Required
- 138

Honors In Major
- None

Related Programs
- Computer Engineering
- Information Technology

Certificates
- None

Related Minors
- None

Certificates
- 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 12 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.o eas.ucf.edu/academiclearningcompacts.html

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. 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.
- Admission to the Accelerated Program does not guarantee formal admission to the MSEE program.
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 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
- EGS 106C Introduction to the Engineering Profession 1 hr
- EGN 107C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.

Engineering Core: Advanced
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major
- 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
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
- EEL 3657 Linear Control Systems 3 hrs
- EEL 3801C Computer Organization 3 hrs
- EEE 4309C Electronics II 4 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- 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 Electrical Engineering & Computer Science department for acceptable courses.

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/academiclearningcompacts.html](http://www.oecs.ucf.edu/academiclearningcompacts.html)

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.
- One official transcript (in a sealed envelope) from each college/university attended.
- A 3.5 GPA or higher in history courses
- Official competitive Graduate Record Exam (GRE) score taken within the last five years.
- An essay indicating reasons for wishing to complete the combined bachelor's/master’s program.
- Three letters of recommendation from History faculty.
- 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 compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP) (36 hrs)
- See the History major in this catalog for track specific GEP requirements

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

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

- AMH 2010 U.S. History: 1492-1877  GEP
- AMH 2020 U.S. History: 1877-Present  GEP

3. Core Requirements: Basic Level (6 hrs)
- Complete two courses from EUH 2000, EUH 2001, WOH 2012 and/or WOH 2022. Upper level AFH, ASH, EUH, LAH and/or WOH courses can be substituted for these requirements.

EUH 2000 Western Civilization I 3 hrs
EUH 2001 Western Civilization II 3 hrs
WOH 2012 World Civilization I 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 the four geographic regions:
  - Asian, African, and Middle Eastern
  - British and European
  - Latin American
  - U.S. and Canadian

Select three hours of approved history courses 3 hrs
- Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

6. Capstone Requirements
HIS 4859 History Portfolio 0 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 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.

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Accelerated Undergraduate-Graduate Programs

10. Required Minors
None

11. Departmental Exit Requirements
■ Maintain a minimum GPA of 3.5 in upper division required courses attempted.
■ Submit a portfolio (HIS 4959) during the semester of graduation. The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers.
■ Students must complete at least 18 of the required 36 history hours at UCF.
■ Computer competency met by completion of the major.

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

Total Undergraduate Hours Required
120

Total Combined Hours Required
147

Honors In Major
None

Related Programs
None

Certificates
None

Related Minors
■ Africana Studies
■ American Studies
■ Asian Studies
■ Florida Studies
■ Humanities
■ Judaic Studies
■ Latin American Area Studies
■ Middle Eastern Studies
■ 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

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/academiclearningcompacts.html

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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
■ Admission to the Accelerated Program does not guarantee formal admission to the MSIE program.
■ 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 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (59 hrs)
■ Graduate courses used to complete the Accelerated BS to MS 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, STA and MAS. 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 3314 Work Analysis and Design 3 hrs
EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs
EIN 4221 Empirical Methods for Industrial Organizations 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
EIN 4391 Manufacturing Engineering 3 hrs

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1. COP 3223 Introduction to Programming with C 3 hrs
EGN 3310 Engineering Analysis-Statistics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3337 Principles of Electrical Engineering 3 hrs
2. EIN 5108 The Environment of Technical Organizations 3 hrs

STA 3032 Probability and Statistics for Engineers GEP
MAS 3105 Matrix and Linear Algebra 4 hrs
EIN 3314 Work Analysis and Design 3 hrs
EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs
EGN 4221 Empirical Methods for Industrial Organizations 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
EIN 4391 Manufacturing Engineering 3 hrs

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UNIVERSITY OF CENTRAL FLORIDA 425 Undergraduate Catalog 2015-2016
## Accelerated Undergraduate-Graduate Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4517</td>
<td>Systems Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4628</td>
<td>Decision Support Systems for Industrial Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3 ESI 5306</td>
<td>Operations Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>4 ESI 5531</td>
<td>Discrete Systems Simulation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Select 1: 3 hrs
- **EGN 3358** Thermo-Fluids-Heat Transfer or 3 hrs
- **EGN 3343** Thermodynamics 3 hrs

1. Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.
2. Substitute for EGS 4624
3. Substitute for ESI 4312
4. Substitute for ESI 4523C

### 5. Restricted Electives (6 hrs)
- Three (3) hours of technical electives must be either EIN 5140 Project Engineering or ESI 5219 Engineering Statistics which are required core requirements in the MSIE program. Another three (3) hours of technical elective may be taken at the 5000 level as a substitute for any of the 3 courses specified in the core requirements for the BSIE.

### 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 (4 hrs)
- **EIN 4891C** Industrial Engineering Senior Design Project 4 hrs

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

### 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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

#### 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, Room: 381

#### http://www.mae.ucf.edu

Dr. Seetha Raghavan, seetha.raghave@ucf.edu, 407-823-1737
Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-8014
Phone: 407-823-5448

### 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.
- Admission to the Accelerated Program does not guarantee formal admission to the MSME, MSMSE, or MSAE program.
- 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)
   - **EGS 1006C** Introduction to the Engineering Profession 1 hr
   - **EGN 1007C** Engineering Concepts and Methods 1 hr

### Undergraduate Catalog 2015-2016
4. Core Requirements: Advanced Level (63 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>GEP</td>
</tr>
<tr>
<td>EML 3043C</td>
<td>Modeling Methods in Mechanical and Aerospace</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3303C</td>
<td>Mechanical Engineering Measurements</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4142</td>
<td>Heat Transfer I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3217</td>
<td>Engineering Mechanics - Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4225</td>
<td>Introduction to Vibrations and Controls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3500</td>
<td>Design and Analysis of Machine Components</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 2 of the Following: 6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3101</td>
<td>Thermodynamics of Mechanical Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4143</td>
<td>Heat Transfer I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4313</td>
<td>Intermediate System Dynamics and Controls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4703</td>
<td>Fluid Mechanics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4504</td>
<td>Design &amp; Analysis of Machine Components</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1 of the Following: 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3401C</td>
<td>Mechanical Systems Lab</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4306C</td>
<td>Energy Systems Lab</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 (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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II</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

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements (6 hrs)

- Structured

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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.

Program Academic Learning Compacts

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

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: ucfnurse@ucf.edu

Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Kelly Allred, Undergraduate Coordinator
Patricia Leli, Clinical Education 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.
Accelerated Undergraduate-Graduate Programs

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/
■ Admission to the university must also be completed 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 4 hrs
   Anatomy with Lab 4 hrs
   Physiology with Lab (or A&P I, II) 4 hrs
   CHM 1032 General Chemistry 3 hrs
   1 or other approved Science

Group B
■ grade of C (2.0) or better
   Sociology or Psychology 3 hrs
   Developmental Psychology 3 hrs
   Human Nutrition 3 hrs
   Statistics 3 hrs

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
■ Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
■ A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
■ UCF Residency requirement: 30 hours (if applicable)

1. UCF General Education Program (GEP)
A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (27 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>General Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

Select 1:
SOW 3104 Human Behavior and the Social Environment I or DEP 2004C Developmental Psychology 3 hrs

Select 1:
PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

1 science prerequisite
2 or other approved science prerequisite

3. Core Requirements: Basic Level
■ None

4. Core Requirements: Advanced Level (57 hrs)
■ Any variation from the following must be approved by the College of Nursing.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3616</td>
<td>Health Promotion Across the Lifespan</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3616L</td>
<td>Health Promotion Across the Lifespan Clinical</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3816</td>
<td>Professional Nurse Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3167</td>
<td>Accelerated Nursing Research Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II: Clinical Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4829</td>
<td>Accelerated Transitioning into Professional Practice as a Leader</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4945L</td>
<td>Nursing Practicum</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4533</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4533L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public and Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637L</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

1 Students without a research course on transcript must take NUR 3165 (3 hrs)

5. Restricted Electives (3 hrs)
Nursing Elective 3 hrs
■ Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

6. Capstone Requirements
■ None
Accelerated Undergraduate-Graduate Programs

7. Foreign Language Requirements
   ■ 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
    ■ 80 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
    ■ A 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
   ■ 80

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) (6 hrs)
   ■ General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. (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/academiclearningcompacts.html

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. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Phone: 407-823-2744

An accelerated program culminating in the Bachelor’s degree while preparing the student who applies for and is accepted to graduate studies. Available MSN tracks include Nursing Leadership & Management, Nursing Education, and Nurse Practitioner. A separate application to Graduate Studies is required to continue beyond the Bachelor’s degree. Admission to graduate studies is limited access and not guaranteed. Nine graduate level credit hours from the RN to MSN program are applied to both the BSN and MSN degrees. Most classes are available online. In person attendance is required for NGR 5003L.

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
   ■ Minimum cumulative GPA of 3.0. (all prior college coursework)
   ■ Admitted to UCF undergraduate program

Intermediate Requirements:
   ■ Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate

Program Phase:
   ■ These requirements should be met one semester before the BSN is awarded.
   ■ Application to and acceptance by UCF Graduate Studies (see Graduate Studies Web site for deadlines)
   ■ Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0

Degree Requirements
   ■ Students who change degree programs and select this major must adopt the most current catalog year, including minors.
Accelerated Undergraduate-Graduate Programs

- 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 completion of graduate program.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.
- An individualized plan of study is developed for each student admitted to the RN to MSN option.

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

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

**B: Cultural & Historical Foundations (9 hrs)**
- Prefer 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)**
- Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

**Select 1:**
- Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

**Select 1:**
- Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Prefer POS 2041 American National Government 3 hrs

**E: Science Foundations (7 hrs)**
- Suggested BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs
- Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs
- Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

**Select 1:**
- Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

**Select 1:**
- Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Prefer POS 2041 American National Government 3 hrs

**Select 1:**
- Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs

- Required CHM 1032 General Chemistry 3 hrs
- Required ECO 2013 Principles of Macroeconomics 3 hrs
- Suggested BSC 2010C Biology I 4 hrs
- Referenced to CHM 1032 General Chemistry 3 hrs
- Select 1 preferred over ECO 2013 Principles of Macroeconomics 3 hrs

**Select 1:**
- Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Prefer POS 2041 American National Government 3 hrs

**Select 1:**
- Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs

**Select 1:**
- Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs

**Select 1:**
- Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Prefer POS 2041 American National Government 3 hrs

**Select 1:**
- Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs

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

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- MCB 2004C Microbiology for Health Professionals 4 hrs
- CHM 1032 General Chemistry GEP
- ZOO 3733C Human Anatomy 4 hrs
- PCB 3703C Human Physiology 4 hrs
- HUN 3011 Human Nutrition 3 hrs

**Select 1:**
- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

**Select 1:**
- SOW 3104 Human Behavior and the Social Environment I or DEP 2004C Developmental Psychology 3 hrs

**Select 1:**
- PSY 2012 General Psychology or SYG 2000 Introduction to Sociology GEP

- Or other approved science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.
- May take Anatomy and Physiology sequence of six-eight total credits.
- Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

### 3. Core Requirements: Basic Level

#### 4. Core Requirements: Advanced Level (30 hrs)

**NUR 3616** Health Promotion Across the Lifespan 2 hrs
**NUR 3805** Dimensions of Professional Nursing Practice 3 hrs
**NUR 3165** Nursing Research 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 4637** Public and Community Health Nursing 3 hrs

**NURSE EDUCATOR / CLINICAL NURSE 12 hrs**

**LEADER TRACKS**
- Take the following 12 credits (nine graduate credits also applied to MSN)
  - NGR 5003 Advanced Health Assessment and Diagnostic Reasoning and 3 hrs
  - NUR 5003L Advanced Health Assessment and Diagnostic Reasoning (Lab) and 1 hr
  - NGR 5141 Pathophysiological Bases for Advanced Nursing Practice and 3 hrs
  - NUR 4828 Nursing Leadership, Management and Role Transition and 3 hrs
  - NUR 5800 Theory for Advanced Practice Nursing 3 hrs

**NURSING LEADERSHIP & MANAGEMENT 12 hrs**

**TRACK**
- Takes the following 12 credits (nine graduate credits also applied to MSN)
  - NGR 5720 Organizational Dynamics and 3 hrs
  - NUR 5671 Health Care Informatics and 3 hrs
  - NUR 5800 Theory for Advanced Practice Nursing and 3 hrs
  - NUR 3065 Health Assessment and 2 hrs
  - NUR 3065L Health Assessment Lab 1 hr

**5. Restricted Electives**

**Upper Division Credit 29 hrs**
- May be met by validation and RN License.
  - NUR 3028 Essentials of Nursing Practice 3 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 4 hrs
  - NUR 3445L Nursing Care of Families Clinical 2 hrs
  - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
  - NUR 4227 Nursing Care of the Adult II 4 hrs
  - NUR 4227L Nursing Care of the Adult II Clinical Practice 3 hrs
  - NUR 4305 Psychiatric Mental Health Nursing 3 hrs
  - NUR 4535 Psychiatric Mental Health Clinical 2 hrs

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

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

**Graduation**
- None

**8. Electives**
- Variable to meet degree requirements.

**9. Additional Requirements**
- A criminal background check and mandatory Drug Screening may be required prior to any clinical course and “on demand” for continuation in the program.
Accelerated Undergraduate-Graduate Programs

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.oees.ucf.edu/academiclearningcompacts.html

Equipment Fees
   - Full-Time Student: $50 per term
   - Part-Time Student: $25 per term

UCF Legal Studies/Barry Law/Touro Law

Accelerated Legal Studies Degree Program
   (B.A. / B.S. to J.D.)

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, Program Coordinator
Rupert Neish II, Program Academic Advisor
Phone: 407-823-1670

Students seeking admission to either Barry University Dwayne O. Andreas School of Law in Orlando, Florida, or Touro College Jacob D. Fuchsberg Law Center in Central Islip, New York, through the accelerated legal studies program will meet all admissions requirements for the above referenced law school(s) and obtain a B.A./B.S. in Legal Studies after completion of the first year of the law school curriculum and all UCF requirements.

Admission Requirements
   - Students should apply for selection into this program no later than the end of the first semester of their junior year. Early student applications will also be accepted. Eligibility requirements include being a declared Legal Studies major, SAT score of 1175, high school GPA of 3.6, successful completion of a minimum of 15 credit hours of UCF course work with a 3.2 UCF GPA, completion of at least 33 credit hours of the required coursework in sections 4 and 5 below in residence at UCF, a personal statement essay, two letters of recommendation and a personal interview. More information about the admission and selection process (as well as deadlines for the application process) may be found at http://www.cohpa.ucf.edu/legalstudies/index.shtml.

Degree Requirements
   - Students selected by UCF faculty members for participation in the Accelerated Law Program must complete all UCF General Education Program requirements, all requirements for the major (B.A. or B.S.) in Legal Studies, and at least 90 total credit hours towards the baccalaureate degree.
   - Participants must maintain a minimum 3.2 overall GPA and cumulative 3.5 GPA in all UCF legal studies coursework. Failure to achieve minimum GPA requirements in any one semester may disqualify a student from further participation in the 3+3 Accelerated Law program.
   - Participating students may elect to complete their UCF bachelor’s degree in residence at UCF under the following circumstances: students not accepted by Barry or Touro Law may complete their remaining requirements for graduation from UCF with a bachelor’s degree; students who decide to opt out of the 3+3 Accelerated Law Program may elect to fulfill their remaining requirements for graduation from UCF with a bachelor’s degree; and students who do not successfully complete their first year of course work at law school may elect to return to UCF to fulfill their remaining requirements for graduation from UCF with a bachelor’s degree; students who decelerate back into the Legal Studies B.A./B.S. degree program. Students decelerating to UCF are bound by the UCF catalog requirements applicable to the year the student first entered UCF. For students passing some, but not all, of their required first year classes at Barry or Touro, classes successfully completed with a grade of “C” (2.0) or better will transfer back to UCF towards the successful completion of the student’s electives needed for graduation.
   - Only courses with grades of “C” (2.0) or better can be transferred to UCF’s legal studies’ program of study.
   - Students are required to consult with a departmental advisor each semester at UCF to ensure that student is wholly advised as to all specific program requirements. Failure to meet with a departmental advisor each semester constitutes grounds for dismissal from the Accelerated Law Program.

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
   - 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

UNIVERSITY OF CENTRAL FLORIDA 431 Undergraduate Catalog 2015-2016
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 fifteen hours of supporting courses chosen with the approval of the student's advisor.

6. Capstone Requirements (3 hrs)
- Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.
  - PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements

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

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes (ASL I, II and III).

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
- Students in the accelerated program will complete the following courses in their first year at either Barry or Touro Law:

Barry Law School:
- Fall Semester
  - LAW 5307 Contracts I 3 hrs
  - LAW 5101 Civil Procedure I 3 hrs
  - LAW 5228 Property I 3 hrs
  - LAW 5109 Torts I 3 hrs
  - LAW 5010 Legal Research and Writing I 3 hrs

- Spring Semester
  - LAW 5407 Contracts II 3 hrs
  - LAW 5201 Civil Procedure II 2 hrs
  - LAW 5328 Property II 2 hrs
  - LAW 5209 Torts II 2 hrs
  - LAW 5020 Legal Research and Writing II 3 hrs
  - LAW 5106 Criminal Law 3 hrs

Touro Law School
- Fall Semester
  - LAW 643 Legal Process I 3 hrs
  - LAW 671 Civil Dispute Resolution and Procedure I 3 hrs
  - LAW 610 Contracts I 3 hrs
  - LAW 615 Torts I 3 hrs
  - LAW 617 Criminal Law I 3 hrs

- Spring Semester
  - LAW 633 Legal Process II 3 hrs
  - LAW 672 Civil Dispute Resolution and Procedure II 3 hrs
  - LAW 611 Contracts II 3 hrs
  - LAW 626 Torts II 3 hrs
  - LAW 631 Property I 3 hrs

10. Required Minors
- None

11. Departmental Exit Requirements
- For the accelerated program, the degree is awarded after successful completion of the first year of law school at either Barry or Touro Law and completion of all UCF requirements. All course work must be at the "C" (2.0) level or higher for transfer purposes.
- The accelerated program student must have completed all of the UCF General Education Program Requirements, all requirements for the Legal Studies Major, and a minimum of 90 combined credit hours of work at UCF before matriculating to law school under this program.
  - Students must earn the equivalent of 120 hours of course work (UCF and Law School (first year or second year of Law School credit hours) before receipt of a UCF Legal Studies Degree.
  - For students decelerating to the 4 year B.A./B.S. program, the student must complete all coursework in the baccalaureate curriculum as shown for a Legal Studies B.A./B.S. degree as specified in the catalog and all university requirements, including the completion of 120 credit hours.

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

Total Undergraduate Hours Required: 120

Honors In Major
- None

Related Programs
- Criminal Justice
- History
- Political Science
- English - Pre-Law Track

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Graduate Courses Link
- None

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

UNIVERSITY OF CENTRAL FLORIDA
The University offers four 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, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the articulated A.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 should select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.
4. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community or state college or state university and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to 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. Students must also meet the State General Education Core requirements.
5. 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 Associate Director 407-823-2609, or the Director of Transfer and Transition Services, 407-823-2231.

Applied Science B.A.S. (A.S. to B.A.S.)
College of Undergraduate Studies
Regional Campuses Administration,
12201 Research Parkway, Suite 101
http://www.regionalcampuses.ucf.edu/
Jennifer Sumner, Jennifer.Sumner@ucf.edu, 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 College System institution or State University and must request an official transcript with “general education requirements met” on the transcript and sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. Students must choose 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 Associate Director 407-823-2609, or the Director of Transfer and Transition Services, 407-823-2231.

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.
Articulated A.S. Programs

Legal Studies Track 18 hrs
Take all of the following: 6 hrs
PLA 3014 Law and the Legal System and 3 hrs
PLA 3108 Legal Research 3 hrs
Select 4: 12 hrs
PLA 3155 Legal Writing or 3 hrs
PLA 3205 Civil Practice and Procedure or 3 hrs
PLA 3277 The Law of Torts or 3 hrs
PLA 3309 Criminal Procedure or 3 hrs
PLA 4424 The Law of Contracts or 3 hrs
PLA 4703 Professional Ethics and Liability 3 hrs
Health Services Administration 18 hrs
Take all of the following: 15 hrs
HSA 3111 U.S. Health Care Systems and 3 hrs
HSC 4201 Community Health and 3 hrs
HSA 4180 Organization & Management for Health 3 hrs
Agencies I and Agencies II and 3 hrs
HSA 4191 Fundamentals of Health Information Technology and 3 hrs
Select 1: 3 hrs
HSC 4652 Health Law and Ethics or 3 hrs
HSA 4109 Principles of Healthcare Reimbursement, 3 hrs
Insurance, and Managed Care Plans or
HSA 4702 Health Sciences Research Methods or
HIM 4508C 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 4863 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 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
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
As required to complete upper level credit hour requirements. Consult with Program Advisor.
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
None
Related Minors
Consult Program Advisor.
Advising Notes
Students may use 3 hours of internship as a part of the upper division requirements.
Transfer Notes
Students have the option of completing the state approved general education program at a Florida College System institution or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.
Lower division courses do not substitute for upper division courses.
Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.
Acceptable Substitutes for Transfer Courses
None
Plan of Study
None
Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oelas.ucf.edu/academiclearningcompacts.html
Criminal Justice - A.S. to B.S. Track (B.S.)
Department of Criminal Justice,
Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@mail.ucf.edu
Cory Watkins
Phone: 407-823-2603
A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida 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.
Articulated A.S. Programs

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)
- A maximum of 45 hours of extension, correspondence, and Armed Forces credits permitted.

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

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

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

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 130

Honors In Major
- None

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
- 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.oelas.ucf.edu/academiclearningcompacts.html

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
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

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
Articulated A.S. Programs

### 2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

### 3. Core Requirements: Basic Level (3 hrs)
- MAC 1105C College Algebra 3 hrs

### 3. Core Requirements: Basic Level (3 hrs)
- Select 1: 3 hrs
  - STA 2023 Statistical Methods I GEP
  - STA 2023 Statistical Methods I 3 hrs

### 3. Core Requirements: Advanced Level (27 hrs)
- Hospitality Management Core 27 hrs
  - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
  - HFT 3450 Guest Services Management I 3 hrs
  - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
  - HFT 4464 Hospitality Industry Finance 3 hrs
  - HFT 4941 Internship II 1 hr
  - HFT 4944 Internship III 1 hr

### 4. Core Requirements: Advanced Level (27 hrs)
- Select 3 9 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 4727 Yacht, Country, And City Club Management 3 hrs

### 5. Restricted Electives (15 hrs)
- Students should select from the following courses to fulfill their hospitality management restricted elective requirement or select one of the Specialized Tracks.
- 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 4260C Catering and Banquet Organization 3 hrs
  - FSS 3553 Golf Planning & Operations I 3 hrs
  - FSS 3554 Agronomy for Golf Course Management 3 hrs
  - FSS 3555 Golf Planning & Operations II 3 hrs
  - FSS 3557 Golf & Club Event Operations 3 hrs
  - FSS 3584 Golf and Club Enterprises Management 3 hrs
  - FSS 3654 Hospitality Franchising 3 hrs
  - FSS 3741 Meeting Management 3 hrs
  - FSS 3770 Cruise Line Operations and Management 3 hrs
  - FSS 3798 Fairs and Festivals 3 hrs
  - FSS 3868 History and Culture of Wine 3 hrs
  - FSS 4065 Fine Spirits Management 3 hrs
  - FSS 4253 Advanced Lodging Operations 3 hrs
  - FSS 4266 Hospitality Brand Management 3 hrs
  - FSS 4274 Resort Management 3 hrs
  - FSS 4343 Hospitality Facilities Management 3 hrs
  - FSS 4398 Golf & Club Facility Design 3 hrs
  - FSS 4432 Hospitality Industry Auditing 3 hrs
  - FSS 4468 Hospitality Industry Revenue Management 3 hrs
  - FSS 4473 Hospitality Development Analysis 3 hrs
  - FSS 4522 Resort Sales Tactics and Strategies 3 hrs
  - FSS 4751 Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs
  - FSS 4756 Destination Marketing 3 hrs
  - FSS 4764 Risk Management in Theme Parks and Attractions 3 hrs
  - FSS 4773 Tourism Geography 3 hrs
  - FSS 4776 Destination Management 3 hrs
  - FSS 4774 Exhibit and Trade Show Operations 3 hrs

### 6. Capstone Requirements
- See Program Advisor for course selection.

### 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
- 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.
Articulated A.S. Programs

Nursing - A.S. to B.S.N. Track (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
Email: ucfnurse@ucf.edu
Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, 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: 30 hours

1. UCF General Education Program (GEP) (36 hrs)
- Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3165 Nursing Research. 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 1608 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)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs

D: Social Foundations (6 hrs)
- Required ENC 1102 Composition II 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs

E: Science Foundations (7 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

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
- UCF within the Hospitality major.
- UCF Hospitality Management.
- Work equivalent to that required in the UCF Rosen College.
- UCF.

Plan of Study

Junior Year - Fall
- 15 hrs
  - General Education Requirement I 3 hrs
  - General Education Requirement II 3 hrs
  - General Education Requirement III 3 hrs
  - General Education Requirement IV 3 hrs
  - General Education Requirement V 3 hrs

Junior Year - Spring
- 15 hrs
  - HFT 3940 Guest Services Management I 3 hrs
  - HFT 3431 Hospitality industry Managerial Accounting 3 hrs
  - HFT 3933 Distinguished Lectures in Hospitality Management 1 hr
  - General Education Requirement VI 3 hrs
  - Sectorial Studies 3 hrs

Junior Year - Summer
- 7 hrs
  - HFT 4941 Internship II 1 hr
  - Sectorial Studies 3 hrs
  - Hospitality Restricted Elective 3 hrs

Senior Year - Fall
- 13 hrs
  - HFT 4464 Hospitality Industry Finance 3 hrs
  - HFT 4286 Hospitality Communications 3 hrs
  - HFT 4944 Internship III 1 hr
  - Sectorial Studies 3 hrs
  - Hospitality Restricted Elective 3 hrs

Senior Year - Spring
- 12 hrs
  - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
  - Hospitality Restricted Electives 9 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

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Articulated A.S. Programs

2. Common Program Prerequisites (CPP) (18 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1 CHM 1032  General Chemistry  GEP
   1 HUN 3011  Human Nutrition  3 hrs
   1 MCB 2004C  Microbiology for Health Professionals  4 hrs
   2 PCB 3703C  Human Physiology  4 hrs
   2 ZOO 3733C  Human Anatomy  4 hrs

Select 1:
   3 STA 2014C  Principles of Statistics or GEP
   STA 2023  Statistical Methods I  GEP

Select 1:
   SOW 3104  Human Behavior and the Social Environment I or 3 hrs
   DEP 2004C  Developmental Psychology  3 hrs

Select 1:
   PSY 2012  General Psychology or GEP
   SYG 2000  Introduction to Sociology  GEP

1. (or other Approved Science) Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.
2. May take Anatomy and Physiology sequence of 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 (56 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 3616  Health Promotion Across the Lifespan  2 hrs
   NUR 4637  Health Care Issues, Policy, and Economics  3 hrs
   NUR 4604L  Practicum in Community and Public Health  4 hrs
   Nursing for RNs
   NUR 4828  Nursing Leadership, Management and Role Transition  3 hrs
   NUR 4837  Health Care Issues, Policy, and Economics  3 hrs
   NUR 3125  Pathophysiology for Nursing Practice  3 hrs

Upper Division Credit 29 hrs
   ■ May be met by validation and RN License
   NUR 3028  Essentials of Nursing Practice  3 hrs
   NUR 3755L  Essentials of Nursing Practice Clinical  2 hrs
   NUR 3225L  Nursing Care of the Adult I: Clinical Practice  2 hrs
   NUR 3445L  Nursing Care of Families Clinical  2 hrs
   NUR 4227L  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  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 enrollment in NUR 3165.
   Graduation
   ■ None

8. Electives
   ■ variable to meet degree requirements

9. Additional Requirements
   ■ A criminal background check and mandatory Drug Screening may be 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 3165 Nursing Research: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida College System or State University System institution; 3) complete foreign language admission requirement.

Other:
   ■ Selected Courses may be offered at regional campuses.
   ■ The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

10. Required Minors
   ■ None

11. Departmental Exit Requirements
   ■ Completion of all courses in major with a grade of “C” (2.0) or better
   ■ Cumulative overall GPA of 2.5 or above
   ■ College of Nursing GPA of 2.5 or above

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

Total Semester Hours Required 128

Honors In Major
   ■ Contact Program Coordinator or HIM Advisor

Related Programs
   ■ Health Services Administration
   ■ Social Work

Certificates
   ■ Aging Studies

Related Minors
   ■ Psychology
   ■ Health Sciences
   ■ Health Services Administration
   ■ Health Information Management

Advising Notes
   ■ Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
   ■ A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
   ■ None

Plan of Study (30 hrs)
   ■ assuming general education, foreign language and nursing prerequisites are complete

Junior Year - Fall
   NUR 3805  Dimensions of Professional Nursing Practice  3 hrs
   NUR 3125  Pathophysiology for Nursing Practice  3 hrs

Junior Year - Spring
   NUR 3165  Nursing Research  3 hrs
   NUR 3065  Health Assessment  2 hrs
   NUR 3065L  Health Assessment Lab  1 hr
### Articulated A.S. Programs

#### Junior Year - Summer
- NUR 4837  Health Care Issues, Policy, and Economics  3 hrs
- NUR 3616  Health Promotion Across the Lifespan  2 hrs

#### Senior Year - Fall
- NUR 4828  Nursing Leadership, Management and Role Transition  3 hrs
- NUR/NSP XXXX Nursing Elective  3 hrs

#### Senior Year - Spring
- NUR 4604L  Practicum in Community and Public Health Nursing for RNs  4 hrs
- NUR 4637  Public and Community Health Nursing  3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/academiclearningcompacts.html](http://www.oelas.ucf.edu/academiclearningcompacts.html)

### 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:

- 0-999. Sub-collegiate 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 advisor 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.
- 8000-8999. Medical School courses. These courses provide material for the Medical School curriculum. They are restricted to students in the Medical School.

Florida’s Statewide Course Numbering System
Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 25 participating nonpublic institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in Exceptions to the General Rule for Equivalency.

Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code (first digit)</th>
<th>Century Digit (second digit)</th>
<th>Decade Digit (third digit)</th>
<th>Unit Digit (fourth digit)</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>No Laboratory component in this course</td>
</tr>
</tbody>
</table>

English Composition
Lower (Freshman) Level at this institution
Freshman Composition
Freshman Composition Skills
Freshman Composition Skills I

For example, a freshman composition skills course is offered by 84 different public and non-public postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The “ENC” is the prefix and the first digit 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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**Common Course Numbering System**

**Exceptions to the General Rule for Equivalency**

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually, or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.

B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.

C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations.

D. Applied academics for adult education courses.

E. Graduate courses.

F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.

G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

**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, 407-823-2691 or to the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32303-0400. Special reports and technical information may be requested by calling the SCNS office at 850-245-0427 or at http://scns.fldoe.org.

**AAB** A. Adult Education  
**ADB** Adult Education  
**AEB** Agricultural Economics and Business  
**AEC** Agricultural Education and Communication  
**AED** Agriculture and Extension Education  
**AER** Automotive Mechanics  
**AFA** African-American Studies  
**AFH** African History  
**AFR** Aerospace Studies  
**AFS** African Studies  
**AGE** Agricultural Engineering  
**AGC** Accounting: General  
**ACO** Accounting: Occupational/Technical Variable Paced  
**ACR** HVACR: Heating/Ventilation/AC/Refrigeration: Tech Trades  
**ADV** Advertising  
**AEH** Akan Culture in Translation or Translation Skills  
**AIA** Akan Language  
**AIA** Akan Language  
**AKA** Akan History  
**AKT** Akan Language (Writings)  
**AKW** Akan Language (Writings)  
**ALS** Agriculture and Life Sciences  
**AMH** American History  
**AML** American Literature  
**AMS** American Studies  
**AMT** Aviation Maintenance Technology  
**ANG** Anthropology—Graduate  
**ANS** Animal Science  
**ANT** Anthropology  
**AOM** Agricultural Operations Management  
**APA** Applied Accounting  
**APK** Applied Kinetics  
**ARA** Arabic Language  
**ARC** Architecture  
**ARD** Architectural Design  
**ARE** Art Education  
**ARH** Art History  
**ARR** Automotive Repair and Refinishing  
**ART** Art  
**ARV** Art, Vocational  
**ASC** Aviation Science: General  
**AGS** Animal Science: General  
**ASH** American Sign Language  
**ASN** Asian Studies  
**AST** Astronomy  
**ATE** Animal Science Technology  
**ATF** Aviation Technology: Flight  
**ATR** Athletic Training  
**ATT** Aviation Technology: Theory  
**AVM** Aviation Management  
**AVS** Avionics  
**AVY** Ayamara Language  
**BAN** Commercial Banking (AIB Courses Only)  
**BCA** Building Construction Apprenticeships  
**BCC** Basic Clinical Clerkships (Required)  
**BCN** Biochemistry (Biophysics)  
**BCH** Building Construction  
**BCJ** Building Construction Trades  
**BCV** Building Construction: Vocational  
**BME** Biomedical Engineering  
**BMS** Basic Medical Sciences  
**BOT** Botany  
**BRC** Banking Related Courses (Not AIB or IFE)  
**BSC** Biological Sciences  
**BTE** Business Teacher Education  
**BUL** Business Law  
**CAP** Computer Applications  
**CAS** Clinical Audiology and Speech Language Pathology (See SPA)  
**CBB** Comparative Psychology and Animal Behavior  
**CCP** Civil Construction Engineering  
**CCL** Criminology and Criminal Justice  
**CDA** Computer Design/Architecture  
**CEC** Civil Geotechnical Engineering  
**CEN** Computer Software Engineering  
**CER** Civil Engineering Structures  
**CET** Computer Engineering Technology  
**CGE** Civil Engineering  
**CHI** Chinese  
**CHM** Chemistry  
**CHR** Chemoplastic  
**CHS** Chinese Language  
**CIT** Chinese Literature (Writings)  
**CJS** Computer Science and Information Systems  
**CJH** College Level Application in Criminal Justice  
**CJC** Corrections  
**CJD** Criminal Justice Development  
**CJL** Law Enforcement  
**CJJ** Juvenile Justice  
**CJS** Criminal Justice Basic Training  
**CJL** Law & Process  
**CJT** Criminal Justice Technologies  
**CLA** Classical and Ancient Studies  
**CLP** Clinical Psychology  
**CLT** Classical Culture in Translation or Translation Skills  
**CMS** Corporate Media Communication  
**CMM** Creek/Muskogee/Mikasuki  
**CNT** Computer Networks  
**COA** Home Economics: Consumer Affairs  
**COE** Cooperative Education  
**COM** Communication  
**COP** Computer Programming  
**COS** Cosmetology  
**COT** Computer Technology  
**CPO** Comparative Politics  
**CPS** Comparative Policy Studies (Multinational)  
**CPT** Cardiovascular Technology - See CVT  
**CRW** Creative Writing  
**CSP** Cosmetology - Specialized  
**CRT** Comparative Studies  
**CHE** Home Economics: Clothing and Textiles  
**CTE** Technology and Skills  
**CVR** Cardiovascular Technology  
**CWR** Civil Water Resources  
**CPU** Community Psychology  
**CZE** Czech Language  
**CZT** Czech Culture in Translation or Translation Skills  
**CZW** Czech Language (Writings)  
**DAE** Dance, Emphasis On Activity  
**DAC** Dance Education  
**DAN** Dance  
**DAS** Dairy Science  
**DCP** Design, Construction and Planning  
**DEA** Dental Assisting  
**DEC** Marketing and Distributive Education  
**DEH** Dental Hygiene  
**DEM** Demography  
**DEN** Dentistry  
**DEP** Developmental Psychology  
**DES** Dental Support  
**DIE** Dietetics  
**DIG** Digital Media  
**DIM** Diesel, Hybrid, and Alternative Fuel Technology  
**DIS** Domestic Security  
**DTE** Dental Laboratory Technology  
**DUT** Dutch Language  
**EAB** Experimental Analysis Of Behavior  
**EAP** English As A Second Language  
**EAS** Aerospace Engineering  
**EBO** Education: Emotional/Behavioral Disorders  
**ECK** Engineering: Chemical  
**ECM** Engineering: Computer Math  
**EOC** Economics  
**ECP** Economic Problems & Policy  
**ECS** Economic Systems & Development  
**ECT** Education: Career/Technical  
**EDE** Education: Elementary  
**EDF** Education: Foundations and Policy Studies  

**UNIVERSITY OF CENTRAL FLORIDA**  
441  
Undergraduate Catalog 2015-2016
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.

<table>
<thead>
<tr>
<th>Special Course</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directed Independent Studies</td>
<td>1906, 2905, 3905, 4906</td>
<td>5907</td>
</tr>
<tr>
<td>Directed Independent Research</td>
<td>4912</td>
<td>5917</td>
</tr>
<tr>
<td>Special Undergraduate Research</td>
<td>IDS 3913, 4914</td>
<td></td>
</tr>
<tr>
<td>Special Topics/Seminars</td>
<td>1931, 2930, 3930, 4932, 5937</td>
<td></td>
</tr>
<tr>
<td>*Internship, Practicums, Clinical Prac</td>
<td>3940, 4941</td>
<td>5944</td>
</tr>
<tr>
<td>Cooperative Education</td>
<td>1949, 2949, 3949, 4949</td>
<td>5949</td>
</tr>
<tr>
<td>Honors Undergraduate Thesis</td>
<td>3970H, 4970H</td>
<td></td>
</tr>
<tr>
<td>Honors Directed Reading</td>
<td>4903H</td>
<td></td>
</tr>
<tr>
<td>Honors Directed Reading</td>
<td>4904H</td>
<td></td>
</tr>
</tbody>
</table>
| Study Abroad                       | 4955          | 5957     *

*These courses may be assigned variable credit. Some may be repeated upon approval.

1The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

2Enrollment is limited to those students who are fully admitted to the Graduate Program.

3Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.

CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.

CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example: ART 2500C CAH-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</th>
<th>Department</th>
<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA</td>
<td>Accounting</td>
<td>ACCT</td>
</tr>
<tr>
<td>BA</td>
<td>Business</td>
<td>BA</td>
</tr>
<tr>
<td>BA</td>
<td>Economics</td>
<td>ECON</td>
</tr>
<tr>
<td>BA</td>
<td>Finance</td>
<td>FIN</td>
</tr>
<tr>
<td>BA</td>
<td>Management</td>
<td>MAN</td>
</tr>
<tr>
<td>BA</td>
<td>Management Information Systems</td>
<td>MIS</td>
</tr>
<tr>
<td>BA</td>
<td>Marketing</td>
<td>MAR</td>
</tr>
<tr>
<td>BHC</td>
<td>Honors</td>
<td>HON</td>
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<tr>
<td>CAH</td>
<td>Africana Studies</td>
<td>AS</td>
</tr>
<tr>
<td>CAH</td>
<td>Arts &amp; Humanities</td>
<td>CAH</td>
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<tr>
<td>CAH</td>
<td>English</td>
<td>ENG</td>
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<td>CAH</td>
<td>Fla Interactive Entertainment Academy</td>
<td>FIAEA</td>
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<td>CAH</td>
<td>History</td>
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<td>CAH</td>
<td>Judicial Studies</td>
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<td>CAH</td>
<td>Latin American Studies</td>
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<td>CAH</td>
<td>Modern Languages</td>
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<td>CAH</td>
<td>Music</td>
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<td>CAH</td>
<td>Philosophy</td>
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<td>CAH</td>
<td>School of Visual Arts &amp; Design</td>
<td>SVAD</td>
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<td>CAH</td>
<td>Theatre</td>
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<tr>
<td>CAH</td>
<td>Women’s Studies</td>
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<tr>
<td>CAH</td>
<td>Writing &amp; Rhetoric</td>
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<tr>
<td>COM</td>
<td>Medicine</td>
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<tr>
<td>COM</td>
<td>Burnett School of Biomedical Sciences</td>
<td>BSBS</td>
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<td>CON</td>
<td>Nursing</td>
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<td>COS</td>
<td>Mathematics</td>
<td>MATH</td>
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<td>COS</td>
<td>Physics</td>
<td>PHYS</td>
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<td>COS</td>
<td>Political Science</td>
<td>POLS</td>
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<td>COS</td>
<td>Psychology</td>
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<td>COS</td>
<td>Sociology</td>
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<tr>
<td>COS</td>
<td>Statistics</td>
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<td>ECS</td>
<td>Air Force ROTC-Aerospace</td>
<td>AFROTC</td>
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<td>ECS</td>
<td>Civil, Env &amp; Const Eng</td>
<td>CECE</td>
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<td>ECS</td>
<td>Electrical Eng &amp; Comp Sci</td>
<td>EECS</td>
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<td>Engineering</td>
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<td>Industrial Eng &amp; Management Systems</td>
<td>IEMS</td>
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<td>ECS</td>
<td>Materials Sci &amp; Engineering</td>
<td>MSEE</td>
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<tr>
<td>ECS</td>
<td>Mechanical &amp; Aerospace Engineering</td>
<td>MECH/AERO</td>
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<td>ECS</td>
<td>Military Science-Army ROTC</td>
<td>AROTC</td>
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<tr>
<td>ED</td>
<td>Child, Family &amp; Comm Sciences</td>
<td>CFCS</td>
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<tr>
<td>ED</td>
<td>Education</td>
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<td>ED</td>
<td>Educational &amp; Human Sciences</td>
<td>E&amp;HS</td>
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<tr>
<td>ED</td>
<td>Teaching, Learning &amp; Leadership</td>
<td>T&amp;L</td>
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<tr>
<td>HPA</td>
<td>Communication Sciences &amp; Disorders</td>
<td>COM SC&amp;DIS</td>
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<tr>
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<td>Criminal Justice</td>
<td>CJ</td>
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<tr>
<td>HPA</td>
<td>Health &amp; Public Affairs</td>
<td>HPA</td>
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<tr>
<td>HPA</td>
<td>Health Management &amp; Informatics</td>
<td>HMI</td>
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<td>Health Professions</td>
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<td>HPA</td>
<td>Legal Studies</td>
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<td>Public Administration</td>
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<td>HPA</td>
<td>Public Affairs</td>
<td>PUB AFF</td>
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<tr>
<td>HPA</td>
<td>Social Work</td>
<td>SOWK</td>
</tr>
<tr>
<td>OPT</td>
<td>Optics</td>
<td>OPT</td>
</tr>
<tr>
<td>RCHM</td>
<td>Foodservice &amp; Lodging Mgmt</td>
<td>FOOD&amp;LODG</td>
</tr>
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<td>RCHM</td>
<td>Hospitality Management</td>
<td>RCHM</td>
</tr>
<tr>
<td>RCHM</td>
<td>Hospitality Services</td>
<td>HSP SERV</td>
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<tr>
<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>
### UCF Courses and Descriptions

**Finding a Course in this List:** The UCF courses in this section are listed alphabetically by prefix. Consult the "Common Course Numbering System" section of the Undergraduate Catalog for additional information.

**Availability of Courses:** The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at https://my.ucf.edu for those courses offered each semester/term. At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Meeting Time</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021 BA-ACCT</td>
<td>Principles of Financial Accounting</td>
<td>PR: Sophomore standing and MAC 1105C with a &quot;C&quot; (2.0) or better. Nature of accounting, financial statements, the accounting cycle, assets, current liabilities, long-term debt, and owner's equity, accounting for proprietorships and corporations. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 2021H BA-ACCT</td>
<td>Honors Principles of Financial Accounting</td>
<td>PR: MAC 1105C with a &quot;C&quot; (2.0) or better, and consent of Honors. Same as ACG 2021 with honors level content. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 2071 BA-ACCT</td>
<td>Principles of Managerial Accounting</td>
<td>PR: ACG 2021 and MAC 1105C, each with a &quot;C&quot; (2.0) or better. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 3082 BA-ACCT</td>
<td>Accounting For Non-Business Majors</td>
<td>PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 3131 BA-ACCT</td>
<td>Intermediate Financial Accounting I</td>
<td>PR: Junior standing, Accounting major or minor, and ACG 2021 and ACG 2071 with a grade of &quot;C&quot; (2.0) or better. Technical knowledge about accounting measurement and disclosure, as well as how financial statements are analyzed and interpreted by external users. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 3141 BA-ACCT</td>
<td>Intermediate Financial Accounting II</td>
<td>PR: Accounting major or minor, ACG 3131 with a grade of &quot;C&quot; (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 3173 BA-ACCT</td>
<td>Accounting for Decision-Makers</td>
<td>PR: ACG 2021 and ACG 2071, each with a grade of &quot;C&quot; (2.0) or better. Explores the use of financial statements and managerial accounting in support of business decisions. The tax environment on businesses is also explored. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 3361 BA-ACCT</td>
<td>Cost Accounting I</td>
<td>PR: Junior standing, Accounting major or minor, and MAC 1105C, ECO 2153, ECO 2203, ACG 2071, each with a grade of &quot;C&quot; (2.0) or better. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 3501 BA-ACCT</td>
<td>Financial Accounting for Governmental and Nonprofit Organizations</td>
<td>PR: Accounting major or minor, and a grade of &quot;C&quot; (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 4252 BA-ACCT</td>
<td>International Financial and Managerial Accounting</td>
<td>PR: Accounting major or minor, ACG 2021, ACG 2071, each with a &quot;C&quot; (2.0) or better. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 4284 BA-ACCT</td>
<td>Financial Reporting for Consolidated Entities</td>
<td>PR: ACG 3411 and MAC 3135 with a &quot;C&quot; (2.0) or better. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 4401C BA-ACCT</td>
<td>Auditing Information Systems</td>
<td>PR: Accounting major or minor, ACG 3131 and CDS 2100C, each with a grade of &quot;C&quot; (2.0) or better. Manual and computer-based accounting information systems. Fall, Spring.</td>
<td>3(3,1)</td>
<td></td>
</tr>
<tr>
<td>ACG 4561 BA-ACCT</td>
<td>Financial Reporting for Consolidated Entities</td>
<td>PR: ACG 3411 and MAC 3135, each with a grade of &quot;C&quot; (2.0) or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 4671 BA-ACCT</td>
<td>Accounting Information Systems</td>
<td>PR: Accounting major or minor, ACG 3131 or ACG 3361, with a &quot;C&quot; (2.0) or better. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ACG 5003 BA-ACCT</td>
<td>Advanced Issues in Financial Accounting</td>
<td>PR: Accounting major and &quot;C&quot; (2.0) or better in ACG 3141, ACG 3361, and ACG 3501. Advanced presentation of financial accounting, including consolidations and IFRS. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>ADE 4382 ED-CFCS</td>
<td>Teaching Adult Learners in Technical Programs</td>
<td>PR: ECT 3365 or C.I. Planning for and teaching of adult learners in formal &amp; informal technical settings. Fall.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AFA 3104 CAH-AS</td>
<td>The Black Intellectual Experience</td>
<td>PR: ENC 1102. Key issues and methodologies in Africana Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AFA 3244 CAH-AS</td>
<td>Africana Social &amp; Cultural Movements</td>
<td>PR: ENC 1102. Analytical look at the role cultural arts played in the emancipation and civil rights efforts that followed the trans-Atlantic slave trade. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AFA 3371 CAH-AS</td>
<td>Evolution of Hip Hop</td>
<td>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.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AFA 3371H CAH-AS</td>
<td>Honors Evolution of Hip Hop</td>
<td>PR: Consent of Honors. Historical analysis of Hip Hop from its African roots to the present with emphasis on the socio-political implications of this phenomenon. With Honors content. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AFA 3420 CAH-AS</td>
<td>Malcolm X, Black Nationalism, and Internationalism</td>
<td>PR: ENC 1102 or C.I. Comprehensive analysis of the sociopolitical thought of Malcolm X and its impact on African political struggles. Fall.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AFA 3850 CAH-AS</td>
<td>Researching African Diaspora and Life</td>
<td>PR: ENC 1102 or C.I. Principles and processes of researching contributions of traditional African people and communities. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AFA 3955 CAH-AS</td>
<td>Study Abroad in Eastern Caribbean</td>
<td>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.</td>
<td>6(6,0)</td>
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</tr>
<tr>
<td>AFA 4105 CAH-AS</td>
<td>Documenting Africana Heritage and Life</td>
<td>PR: ENC 1102 or C.I. Principles and research in the process of documenting African heritage and life. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>AFA 4242 CAH-AS</td>
<td>Contemporary Issues in Africana Studies</td>
<td>PR: ENC 1102 or C.I. Contemporary topics, emerging crises, shifting trends, and developments in the African Diaspora. Spring.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>AFH 3100 CAH-HIST</td>
<td>African History to 1870</td>
<td>PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.</td>
<td>3(3,0)</td>
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</tr>
<tr>
<td>AFH 3200 CAH-HIST</td>
<td>African History Since 1870</td>
<td>PR: C.I. Sub-Saharan African history from 1870 to the present. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
</tbody>
</table>
AMH 4312 CAH-HIST 3(3,0) American Culture II: PR: AMH 2010 and AMH 2020, or C.I. The Darwinian Revolution: revolt of the intellectuals; the media explosion; mass entertainment in mass culture; the loss of community, the nuclear age, and presentism. Occasional.


AMH 4376 CAH-HIST 3(3,0) U.S. Space History: PR: AMH 2010 and AMH 2020, or C.I. Post World War II US rocketry and space travel with focus on the role of Cape Canaveral/Kennedy Space Center. Occasional.


AMH 4513 CAH-HIST 3(3,0) United States as a World Power: 1945-Present: PR: AMH 2020 or C.I. U.S. diplomacy from World War II to the present. Occasional.

AMH 4573 CAH-HIST 3(3,0) Black Miltiancy in the 20th Century: PR: AMH 2010 and AMH 2020 or C.I. The rise and development of black military 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 2010 or AMH 2020. How have American society, 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 class discussion of the literature on selected topics in the Revolutionary Era, 1763-1789. Occasional.

AMH 5149 CAH-HIST 3(3,0) Colloquium in Early U.S. History, 1789-1815: PR: Graduate standing or senior standing or C.I. Reading and class discussion on the selected topics of the early national period. Occasional.

AMH 5169 CAH-HIST 3(3,0) Colloquium in Age of Jackson: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. Occasional.

AMH 5176 CAH-HIST 3(3,0) Colloquium in Civil War and Reconstruction: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Civil War and Reconstruction era. Occasional.

AMH 5219 CAH-HIST 3(3,0) Colloquium in Late 19th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of late 19th century U.S. Occasional.

AMH 5296 CAH-HIST 3(3,0) Colloquium in 20th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion on selected topics in 20th-century U.S. May be used in the degree program a maximum of 4 times. Occasional.

AMH 5378 CAH-HIST 3(3,0) History of Technology: PR: Graduate standing or C.I. 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 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 5636 CAH-HIST 3(3,0) Colloquium in US Environmental History: PR: Graduate standing or C.I. Examination of historical texts and methodologies for understanding nature-human interaction and how access to resources shaped human opportunity, from colonization to the present. Occasional.

AMH 5925 CAH-HIST 3(3,0) Colloquium in U.S. Military History: PR: Graduate standing or C.I. Reading and discussion of 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 5926 CAH-HIST 3(3,0) Colloquium in Civil War and Reconstruction: PR: Graduate standing or senior standing or C.I. Reading and discussion of the literature on selected topics in Civil War and Reconstruction era. Occasional.

AML 3283 CAH-ENG 3(3,0) Contemporary American Women's Fiction: PR: Grade of C (2.0) or better required in ENC 1102. Graduate standing in selected topics in contemporary American and Latina writers. 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, focusing on literary styles, historical contexts, and themes such as nationalism, popular music, and folk religion. Occasional.

AML 3640 CAH-ENG 3(3,0) Native American Literature: PR: Grade of C (2.0) or better required in ENC 1102. An introduction to the history of Native American literature. Occasional.

AML 3643 CAH-ENG 3(3,0) Contemporary Native American Prose and Poetry: PR: ENC 1101, ENC 1102. Native American prose fiction and poetry since Momaday's House Made of Dawn (1968) and American Indian prose and poetry since that time. Occasional.

AML 3682 CAH-ENG 3(3,0) Ethnic Literature in America: PR: ENC 1102. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Occasional.

AML 3682H CAH-ENG 3(3,0) Honors Ethnic Literature in America: PR: Permission of Honors and ENC 1102 or equivalent credit. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Honors content. Occasional.

AML 4101 CAH-ENG 3(3,0) American Novel: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. Analysis of major American novelists. Occasional.

AML 4155 CAH-ENG 3(3,0) Major American Poetry: PR: Grade of C (2.0) or better required in ENC 3014. Major American poets of the modern (1900-1950) period. Occasional.

AML 4261 CAH-ENG 3(3,0) Literature of the South: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014 or C.I. Development of Southern literature from its beginnings in the "Old South" through the post-Civil War and the Southern-Renaissance to the present. Emphasizes reading from Poe, Ransom, Tate, Faulkner, Porter, Warren, O'Connor, Percy, and Styron. Occasional.

AML 4265 CAH-ENG 3(3,0) Florida Writers: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. This course will examine writers who have lived and written about Florida, such as Hemingway, Rawlings, Hunston, and Stavely. Occasional.

AML 4300 CAH-ENG 3(3,0) Major American Authors: PR: Grade of C (2.0) or better required in ENC 3014. A comprehensive study of selected major American literary figures. May be repeated for credit only when course content is different. Fall, Spring.

AML 4321 CAH-ENG 3(3,0) Modern American Literature: PR: Grade of C (2.0) or better required in ENC 3014. Major writers of modern American literature. Occasional.

AML 4630 CAH-ENG 3(3,0) Latino/Latina Literature: PR: Grade of C (2.0) or better required in ENC 3014. U.S. literature by writers from Latino and Latina backgrounds. Occasional.

ANG 5100 COS-ANTHRO 3(3,0) Archeological Sciences: PR: Admission to Anthropology M.A., Maya Studies graduate certificate, or C.I. Field and laboratory methods routinely used in archeology and forensic archeology, including instrumentation. Occasional.

ANG 5166 COS-ANTHRO 3(3,0) Problems in Maya Studies: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. In-depth study of current methodological, theoretical, and/or topical problems in Maya Studies. Occasional.
UCF Courses and Descriptions

ANG 5167 COS-ANTHRO 3(3.0)
Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. Occasional.

ANG 5191 COS-ANTHRO 3(3.0)
Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-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 as reflected in art, artifacts, and constructed features. Odd Spring.

ANG 5272 COS-ANTHRO 3(3.0)
Culture, Inequality and Global Development: PR: Admission to Anthropology MA, Maya Studies graduate certificate, or C.I. Origins 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 Tourism: PR: Admission to Anthropology MA, Maya Studies graduate certificate, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. 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 5525C COS-ANTHRO 4(3.1)
Human Osteology: PR: Admission to the Anthropology MA program or C.I. The human skeleton and the methodology and techniques involved in the anthropological assessment of skeleton remains. Fall.

ANG 5531 COS-ANTHRO 3(3.0)
Nutritional Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, 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 5738 COS-ANTHRO 3(3.0)
Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological 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 2011 COS-ANTHRO 3(3.0)
General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.

ANT 2000H COS-ANTHRO 3(3.0)

ANT 2140 COS-ANTHRO 3(3.0)
Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANT 2410 COS-ANTHRO 3(3.0)
Cultural Anthropology: Global Perspectives, Local Contexts: 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 COS-ANTHRO 1(0,1)
Physical Anthropology Lab: PR: or C.R. ANT 2511 or C.I. General overview of physical anthropology laboratory methods. Fall.

ANT 3026 COS-ANTHRO 3(3.0)
Mummies, Zombies, and Vampires: Anthropology of the Undead: PR: Sophomore standing. 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: Sophomore standing. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. Occasional.

ANT 3115 COS-ANTHRO 3(3.0)
Archaeological Method and Theory: PR: Sophomore standing. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANT 3124 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: Sophomore standing. Use of archaeology and physical anthropology to examine the lives and death of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Spring.

ANT 3152 COS-ANTHRO 3(3.0)
Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest: PR: Sophomore Standing or C.I. The precolombian history of the Native peoples of the U.S. Southwest, from the region's first colonists to Puebloan and Navajo groups of the Contact era. Even Fall.

ANT 3154 COS-ANTHRO 3(3.0)
A Survey of American Prehistoric Archaeology: PR: Sophomore Standing or C.I. Examines historical archaeology of the United States from the arrival of Europeans through the early 20th century to understand America's history using archaeological principles. Even Fall.

ANT 3158 COS-ANTHRO 3(3.0)
Florida Archaeology: PR: Sophomore standing. 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: Sophomore standing. Archaeological developments of North, Central, and South America from the hemisphere's initial peopling through the advent of European cultures. Occasional.

ANT 3161 COS-ANTHRO 3(3.0)
Ancient Mexico: Aztec to Zapotec: PR: Sophomore Standing or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known Mesoamerican 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 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.

ANT 3173 COS-ANTHRO 3(3.0)

ANT 3174 COS-ANTHRO 3(3.0)
Battlefield Archaeology: PR: Sophomore standing or C.I. Provide students an anthropological perspective of fields of combat and military infrastructure from the Classic period to the early 20th century. Odd Fall.

ANT 3177 COS-ANTHRO 3(3.0)

ANT 3179 COS-ANTHRO 3(3.0)
Australian Archaeology and Indigenous Cultures: PR: Sophomore standing or C.I. Explore indigenous peoples, both past and present, through historical and maritime archaeology, as a means of unravelling the full breadth of Australia's rich indigenous cultures. Odd Fall.

ANT 3212 COS-ANTHRO 3(3.0)

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.

ANT 3262 COS-ANTHRO 3(3.0)

ANT 3273 COS-ANTHRO 3(3.0)
Law and Culture: PR: or CR: ANT 2000 or C.I. An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. Occasional.
ANT 3275 COS-ANTHRO 3(3,0) Anthropological Perspectives on Refugees: PR: Sophomore standing or C.I. The culturally specific causes of refugee flows, responses to refugees, cultural issues refugees experience when they seek asylum, and resettlement experiences. Even Spring.

ANT 3302 COS-ANTHRO 3(3,0) Sex, Gender and Culture: PR: Sophomore standing. The biological and cultural roles of women and men viewed in a cross-cultural perspective. Fall, Spring.


ANT 3313 COS-ANTHRO 3(3,0) Anthropology of the Amazon: PR: Sophomore Standing or C.I. The historical ecology and archaeology of indigenous Amazonians, including evidence from archaeological, ethnographic and linguistic studies. Occasional.

ANT 3330 COS-ANTHRO 3(3,0) North American Archaeology: PR: Sophomore standing. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. Spring.

ANT 3333 COS-ANTHRO 3(3,0) Anthropology of the People of the Precontact Periods: PR: Sophomore standing. For the study of the prehistoric cultures of the Americas, the Caribbean, and the Andes. Occasional.

ANT 3342 COS-ANTHRO 3(3,0) History of Anthropological Thought: PR: Sophomore standing. The exploration of the intellectual foundations of modern anthropology. Fall, Spring.

ANT 4013 COS-ANTHRO 3(3,0) Anthropology of Fast Food: PR: ANT 2000 or ANT 2410 or C.I. Anthropologist research on fast food in diverse cultural settings. Occasional.

ANT 4027 COS-ANTHRO 3(3,0) Mummies, Life After Death: PR: ANT 2511 or C.I. Cultural practices and beliefs surrounding death; the concerns cultures and humans have had throughout the ages about the body, the afterlife, and their attempts to prevent decay and preserve bodies in a state near to life as possible. Occasional.

ANT 4034 COS-ANTHRO 3(3,0) Cultural Practices and Beliefs: PR: Sophomore standing or C.I. The exploration of the intellectual foundations of modern anthropology. Fall, Spring.

ANT 4153 COS-ANTHRO 3(3,0) North American Archaeology: PR: Sophomore standing. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. Spring.

ANT 4180C COS-ANTHRO 3(1,4) Seminar in Laboratory Analysis: PR: or CR: ANT 2000 or ANT 2410 or C.I. The processing of archaeological finds from excavation through publication. May be repeated for credit. Spring.

ANT 4183 COS-ANTHRO 3(3,0) Archaeological Sciences: PR: One of the following: ANT 2111, ANT 2140, CHS 2501, any 4000 level Criminal Justice course, or C.I. Methods and instrumentation routinely used in the archaeological and forensic anthropology. Spring.

ANT 4184 COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: 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 4303 COS-ANTHRO 3(3,0) Anthropology of Tourism: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Social theory of tourism; anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.


ANT 4352 COS-ANTHRO 3(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 4406 COS-ANTHRO 3(3,0) Culture, Disease, and Healing: PR: Sophomore Standing 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 4408 COS-ANTHRO 3(3,0) Psychology of Global Health: PR: PSY 2012. A review of the psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Prerequisite: C.I. Cross-cultural, ecological and evolutionary.

ANT 4442 COS-ANTHRO 3(3,0) Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. Fall.

ANT 4447 COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: Sophomore Standing or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Prerequisite: C.I. Cross-cultural, ecological and evolutionary.

ANT 4480 COS-ANTHRO 3(3,0) Global Health: Occasional.

ANT 4516 COS-ANTHRO 3(3,0) Human Biological Diversity: PR: Sophomore or C.I. The evolution of human skeletal variation and adaptation. Spring.

ANT 4521 COS-ANTHRO 3(3,0) Forensic Anthropology: PR: One of the following: ANT 2111, CHS 3501, any 4000 level Criminal Justice class, or C.I. The study of human skeletal remains in relation to a legal context. Fall.

ANT 4525C COS-ANTHRO 4(3,1) Human Osteology: PR: One of the following: ANT 2511, ZOO 3713C, ZOO 3733C, 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 4586C COS-ANTHRO 3(2,1) Human Origins: PR: Sophomore or C.I. The fossil evidence for human evolution from Miocene hominoids through the australopithecines and the earliest members of the genus Homo. Fall, Spring.

ANT 4720 COS-ANTHRO 3(3,0) Culture, Inequality and Global Development: PR: Sophomore Standing or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. Occasional.


ANT 4824 COS-ANTHRO 9(9,0) Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.

APK 3132 ED-ESHS 3(3,0) Triathlon Training and Performance: PR: PDM 2104 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. Occasional.


APK 4110C ED-ESHS 3(2,1) Exercise Physiology: PR: Admission to Sport and Exercise Science program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3733C and minimum overall 2.5 GPA. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to sport and exercise science. FALL.

APA 1120C CAH-LANG 4(4,1) Honors Elementary Arabic Language and Civilization I: PR: Permission of Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Honors level content. Occasional.
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#### ARA 1120C CAH-LANG 4(3,1)
**Elementary Arabic Language and Civilization I:** Introduces the student to Arabic language skills. Open only to students with no experience in the language. Fall.

#### ARA 1121C CAH-LANG 4(3,1)
**Honors Elementary Arabic Language and Civilization II:** PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.

#### ARC 2200 CAH-LANG 3(3,1)
**Intermediate Arabic Language and Civilization II:** PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.

#### ARC 2201 CAH-LANG 3(3,0)
**Intermediate Arabic II:** PR: ARA 2200 or equivalent or C.I. Continuation of ARA 2200 with emphasis on Arabic cultures. Fall, Spring.

#### ARC 3181 CAH-SVAD 3(3,0)
**Advanced Topics in Digital Architecture:** PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Continued investigation of computer-aided design and digital tools currently utilized by professional practices. Odd Spring.

#### ARC 3270 CAH-SVAD 3(3,0)
**Professional Practice in Architecture:** PR: ARC 3320L or C.I. Professional architecture practices in conjunction with supervised experiences at local, central Florida firms. Occasional.

#### ARC 3310C CAH-SVAD 3(1,3)
**Parametric Modeling and Digital Fabrication:** PR: ARC 2180 (offered through Valencia College) or equivalent. Computer-aided software and hardware utilized in the professional practice of architecture. Occasional.

#### ARC 3322L CAH-SVAD 6(0,9)
**Architectural Design 5:** PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

#### ARC 3322L CAH-SVAD 6(0,9)
**Architectural Design 6:** PR: ARC 3322L. Architectural design with a large scale urban context. Theory, methodology, and evolution of urban form in response to social, cultural, economic and technological forces. Odd Spring.

#### ARC 3463 CAH-SVAD 3(0,0)
**Materials and Methods of Construction 2:** CR: ARC 4322L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.

#### ARC 3503 CAH-SVAD 3(3,0)
**Architectural Structures:** PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I.; CR: ARC 3320L. Principles of structural behavior in withstandng gravity and lateral forces. considers structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.

#### ARC 3610 CAH-SVAD 3(3,0)
**Environmental Technology 1:** CR: ARC 3321L. Principles and practices relating to control of the thermal, atmospheric environment and plumbing in buildings. Odd Spring.

#### ARC 3743 CAH-SVAD 3(3,0)
**Architectural History 3:** CR: ARC 3320L. Social, political, material, technological, and cultural forces on design and construction from 1910, including architecture's role in civil society and theoretical positions of architects and architectural schools. Even Fall.

#### ARC 4220 CAH-SVAD 3(3,0)
**Architectural Theory 2:** CR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

#### ARC 4322L CAH-SVAD 6(0,9)
**Architectural Design 7:** PR: ARC 3321L. Control over architectural processes to solve design needs through appropriate program development and construction technology. Complete building as a final product, emphasizing on urban and suburban housing projects. Odd Fall.

#### ARC 4323L CAH-SVAD 6(0,9)
**Architectural Design 8:** PR: ARC 4322L. Architecture design, focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

#### ARC 4620 CAH-SVAD 3(3,0)
**Environmental Technology 2:** CR: ARC 4322L. PR: ARC 3610 or C.I. Fundamentals of architectural lighting, acoustics, electrical power distribution and building communications. Odd Fall.

#### ARE 2000 ED-TL&L 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 CAH-SVAD 12(0,12)
**Community Arts Internship:** PR: C.I. An in-depth in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

#### ARE 3944 CAH-SVAD 3(2,3)
**Community Arts Practicum:** PR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. Occasional.

#### ARE 4250 ED-TL&L 3(3,0)
**Art for Exceptionalities:** PR: Admission to the College of Education, Art Education Program or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental exceptionalities. Spring.

#### ARE 4260 CAH-SVAD 3(3,0)
**Methods in Art Administration:** PR: ARH 3820. Theories and methodologies for designing, implementing, and administering art programs for a variety of populations. Occasional.

#### ARE 4351 ED-TL&L 3(3,0)
**Teaching Art in the Elementary School:** PR: Admission into the Art Education Program or Art Education Minor. Transition from university art studio practices to public school teaching. Design, analyzing, and selecting media, 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: Admission into the Art Education Program or Art Education Minor. 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(2,1)
**Teaching Art Appreciation & Criticism in the Classroom:** PR: ARH 2050 and ARH 2051. 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 $8.00.

#### ARE 4453 ED-TL&L 3(3,0)
**Studio Experiences in Art Education:** PR: Admission into the College of Education, Art Education Program required or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be used in the degree program a maximum of 3 times. Spring. M&S fee $5.00.

#### ARE 5251 ED-TL&L 3(2,1)
**Art for Exceptionalities:** Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. Occasional.

#### ARE 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 analyze art learning for students K-12. Occasional. M&S fee $5.00.

#### ARE 5454 ED-TL&L 3(3,0)
**Studio Experiences in Art Education:** PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee $10.00.

#### 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. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students 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 upperclassmen designing and analyzing art experiences, activities and classroom environments for various non-Western cultures. Fall.

#### ARH 3610 CAH-SVAD 3(3,0)
**American Art:** PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.

#### ARH 3631 CAH-AS 3(3,0)
**African-American Art:** PR: ENC 1102 or C.I. Historical survey of art produced by working artists of African heritage and representations of African-American life by these and other artists. Occasional.

#### ARH 3632H CAH-SVAD 3(3,0)

#### ARH 3670 CAH-SVAD 3(3,0)
**Twentieth Century Latin American Art:** PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.
ARH 3673 CAH-SVAD 3(3,0) Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Survey of the art of Mexico from the Mexican Academy post-independence to the 1980's. Occasional.

ARH 3674 CAH-SVAD 3(3,0) Latin American Popular Visual Culture: PR: ANT 4332 or C.I. Latin American popular culture beyond "fine art," produced in Latin America, the United States, and the Caribbean. Odd Spring.

ARH 3683 CAH-SVAD 3(3,0) Southern Folk Arts: PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular arts. Occasional.

ARH 3710 CAH-SVAD 3(3,0) History of Photography I: PR: Junior Standing or C.I. History of still photography from its earliest inception to 1900. The content of this course is designed for art majors. Occasional.

ARH 3713 CAH-SVAD 3(3,0) 20th Century Photographic History: PR: Junior Standing. The history of the evolution of still photography from the early 20th Century to contemporary practice. Occasional.

ARH 3720 CAH-SVAD 3(3,0) History of Prints: PR: ARH 2050 and ARH 2051 or C.I. History of printmaking in the Western world, surveying works by the "great printmakers." Occasional.

ARH 3728 CAH-SVAD 3(3,0) History of Illustration: PR: ARH 2050 and ARH 2051. Western illustration from ancient and medieval manuscripts through nineteenth century cartoon, caricature, book, magazine illustration, and advertising. Occasional.

ARH 3820 CAH-SVAD 3(3,0) Visual Arts Administration Vitas: PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum practices, etc. Occasional.

ARH 3842 CAH-SVAD 3(3,0) Art History Abroad: Italy: PR: ARH 2050 and ARH 2051 or C.I. Meets in Italy and explores Italian art, architecture, artists, patrons, and culture from the Roman period through the late Baroque. Occasional.

ARH 4130 CAH-SVAD 3(3,0) Greek Art and Architecture: PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. Occasional.

ARH 4150 CAH-SVAD 3(3,0) Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. Occasional.

ARH 4200 CAH-SVAD 3(3,0) Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. Occasional.

ARH 4310 CAH-SVAD 3(3,0) Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. Occasional.

ARH 4350 CAH-SVAD 3(3,0) Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. Occasional.

ARH 4352 CAH-SVAD 3(3,0) Italian Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.

ARH 4430 CAH-SVAD 3(3,0) 19th Century Art: PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.

ARH 4450 CAH-SVAD 3(3,0) 20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of art from Fauvism, Futurism, Cubism to the art of the present. Occasional.

ARH 4540 CAH-SVAD 3(3,0) Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rajput, and Muslim periods. Occasional.

ARH 4653 CAH-SVAD 3(3,0) Meso American Art: PR: Junior Standing or C.I. A survey of the art of Mexico and Central America, from Pre-Columbia, through the Spanish Colonial, to the 20th century. Occasional.

ARH 4800 CAH-SVAD 3(3,0) Theory and Criticism of the Visual Arts: PR: ARH 2050 and ARH 2051 or C.I. Explores criteria of art content and the role of information influencing the art curriculum. Examination of aesthetic characteristics shared by the various disciplines and how knowledge of these data is used by the profession to share information with the community. Fall, Spring.

ART 2201C CAH-SVAD 3(2,4) Drawing Fundamentals II: PR: ART 2201C, ART 2203C, and ART 2301C. The challenge of communicating ideas through time; art examples from various periods/cultures. Occasional.

ART 2205C CAH-SVAD 3(2,4) Mixed Media: PR: ART 2201C, ART 2203C, ART 2205C, and ART 2301C. Concepts and techniques involving the creation of art objects by integrating painting, sculpture, drawing, design, and art history. Occasional.

ART 2500C CAH-SVAD 3(2,4) Sculpture: PR: Three semester hours in three-dimensional forms. Fall, Odd. M&S fee $35.00

ART 2754C CAH-SVAD 3(2,4) Beginning Ceramics: PR: ART 2201C or C.I. Basic concepts of ceramic design, experience in processes of forming, decorating, glazing, and firing pottery. Fall, Odd Spring. M&S fee $35.00

ART 2823 CAH-SVAD 3(3,0) Art as Interface: An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared by the various disciplines and how knowledge of these data is used by the profession to share information with the community. Fall, Spring.

ART 3161 CAH-SVAD 3(3,0) Theory and Criticism of the Visual Arts: PR: ARH 2050 and ARH 2051 or C.I. Explores criteria of art content and the role of information influencing the art curriculum. Examination of aesthetic characteristics shared by the various disciplines and how knowledge of these data is used by the profession to share information with the community. Fall, Spring.


ART 3171C CAH-SVAD 3(2,4) for Artist Books: PR: ART 2201C, ART 2203C, and ART 3170C. Production of materials used for an artist in the creation of books. Occasional. M&S fee $32.00


ART 3176C CAH-SVAD 3(2,4) The Illuminated Book: PR: ART 2201C, ART 2300C, ART 2301C, ART 3170C, and ART 3170C. The creation of visual, illuminated responses to language from stories, fables, poetry, and books using a variety of media. Occasional. M&S fee $45.00


ART 3332C CAH-SVAD 3(2,4) Intermediate Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate problems in drawing, with emphasis on the human form. Fall, Spring.


ART 3616C CAH-SVAD 3(3,0) Animation Production Methods: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. C.I. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. Occasional. M&S fee $15.00
Post-Production Design: PR: Sophomore Portfolio and "C" or better in FIL 3720C. Special effects and composting for computer animation and film. Focus on the use of After Effects, Premier and Photoshop software. Occasional.

Digital Effects & Compositing: PR: DIG 3951 and digital animation specialization, or ART 3950 and DIG 4780c and declared Experimental Animation specialization. Special effects and composting for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. Fall.


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


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 manifest in the work of small sculptures and/or other forms of creativity. Occasional.

Portfolio Review: PR: ARH 2050, ARH 2051, ART 2823, ART 2201C, ART 2203C, and ART 2301C. Determines competencies in studio foundations work. Satisfactory completion of portfolio review is required to enroll in upper division studio classes. Graded SU, Fall, Spring.

Design Intensive: PR: Any 2000 level Art History, Interdisciplinary design course emphasizing visual literacy skills and finished design projects with real world clients. Course covers two and three dimensional design content. Occasional.


Commercial Book Design and Publishing: PR: ART 2823 and Junior standing or C.I. Analysis of art and design elements and their interpretation from a historical perspective. Fall, Occasional.


Advanced Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3332C. May be repeated for credit. Fall, Spring.

Advanced Printmaking: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. Even Fall, Spring. M&S fee $30.00

Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Painting. May be repeated for credit. Fall, Spring. M&S fee $15.00


Advanced Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. The challenge of communicating concepts through three-dimensional forms. May be repeated for credit. Fall, Spring. M&S fee $45.00


Advanced Ceramics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced problems in ceramic practice. May be repeated for credit. Fall, Spring. M&S fee $35.00


BFA Exhibition Seminar: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. exhibition. Fall. M&S fee $15.00

Advanced Design Lab: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. An interdisciplinary forum where students design and develop visual solutions for real world clients in partnership with industry. Occasional.

Scotland Study Abroad: PR: ART 2823, ART 2201C, ART 2301C or C.I. Study abroad in Edinburgh, Scotland. Students will be required to attend a course. Fall, Occasional.


Art Thesis: PR: Admission to Emerging Media M.F.A. or Digital Media M.A., graduate standing, or C.I. Art终, content, story forms, interactive narrative theory and practice for art, digital media and film. Traditional and non-traditional forms of visual and interactive storytelling. Fall. M&S fee $45.00

Design Theory and Methods: PR: Admission to M.F.A. or C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. Fall. M&S fee $45.00


Crosscultural Electronic Art and Design: PR: Admission to M.F.A. Explores digital/electronic art and technology from mid 20th century to present. Explores key electronic artists and issues of the "arts electronica" into the present. Spring.

WebArt I: PR: Admission to M.F.A. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. Spring. M&S fee $45.00

Concourse I: PR: ART 5910 and ART 5280 and ART 5694, or C.I. Digital reproduction of studio works. Fall. M&S fee $45.00

The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisite), graduate status or senior standing, or C.I. Seminar class on political information pertaining to professional practices in the art world. Overview of inventory processing, record keeping, and the marketing of art. Fall. M&S fee $45.00

Studio Concentration I: PR: Admission to M.F.A. Course is the primary for production of work in studio. Students will meet periodically with empowered faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $45.00

Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art-making via digital art-making and class discussion. Students will use this information to develop projects in their specialization. Occasional.

ATR 3203C HPA-HP 3(2,1)
Upper Extremity Function and Measurement:
PR: ZOO 3733C or ZOO 3736C and COHPA majors and Health Sciences Minors only. Upper extremity functional anatomy, manual muscle testing and gonionmetry. Spring.

ATR 3204C HPA-HP 3(2,1)
Lower Extremity Function and Measurement:
PR: ZOO 3733C or ZOO 3736C and COHPA majors and Health Sciences Minors only. Lower extremity functional anatomy, manual muscle testing and gonionmetry. Fall.

ATR 3212C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries I:
PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the lower extremity and spine and provide immediate management. Fall.

ATR 3312C HPA-HP 3(2,1)
Injury, Management, and Rehabilitation:
PR: ZOO 3733C or ZOO 3736C, COHPA Students only or C.I. Recognition and management of common injuries found in active athletic participation. Spring.

ATR 3812L HPA-HP 4(0,16)
Practicum in Athletic Training I:
PR: ATR 3102. Clinical introduction to an athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

ATR 3822L HPA-HP 4(0,16)
Practicum in Athletic Training II:
PR: ATR 3102L. Continuation of direct supervision. Fall, Spring.

ATR 4014C HPA-HP 3(2,2)
Principles of Athletic Training Lab:
CR: ATR 3102, PR: Athletic Training majors only or C.I. Basic athletic training skills including emergency care, taping and wrapping, gonionmetry and manual muscle testing. Occasional. M&S fee $34.00

ATR 4103 HPA-HP 3(3,0)
Case Studies in Sports Medicine:
PR: ATR 4832L. Presentation and treatment of various sports injuries. Spring.

ATR 4112L HPA-HP 1(0,1)
Acute Care in Athletic Training:
CR: ATR 4842L, and PR: ATR 4842L. This course will review student knowledge and competency with acute care procedures and emergency planning in athletic settings. Spring.

ATR 4132 ED-ESHS 3(3,0)
Human Injuries: Mechanisms & Prevention:
PR: Permission to Sport and Exercise Science program or Coaching Minor, ZOO 3736C or equivalent and minimum over 2.5 GPA. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sport and fitness. Fall, Spring.

ATR 4213C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries II:
PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

ATR 4302C HPA-HP 4(2,4)
Therapeutic Modalities in Athletic Training:
PR: ATR 4213C. Principles and techniques for applying therapeutic modalities. Occasional. M&S fee $5.00

ATR 4313C HPA-HP 4(2,4)
Therapeutic Exercise in Athletic Training:
PR: ATR 3212C. Rehabilitation processes regarding exercise progression for athletic injury Occasional.

ATR 4315C HPA-HP 3(1,2)
Advanced Rehabilitation in Athletic Training:
PR: Athletic Training majors only. ATR 4313C or C.I. Advanced rehabilitation techniques and techniques that the certified athletic trainer must perform during rehabilitation of injuries. M&S fee $17.00

ATR 4512C HPA-HP 3(3,0)
Organization and Administration of Athletic Training:
PR: ATR 3822L. Administrative knowledge in the athletic training profession. Fall.

ATR 4832L HPA-HP 4(0,16)
Practicum in Athletic Training III:
PR: ATR 3822L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

ATR 4842L HPA-HP 4(0,16)
Practicum in Athletic Training IV:
PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

ATR 4933 HPA-HP 1(1,0)
Athletic Training Seminar:
PR: ATR 4832L and Senior standing. Capstone course reviewing competencies, proficiencies, ethics and professional development for the entry-level athletic trainer. Spring.

ATR 4940 HPA-HP 4(0,1-15)
Athletic Training Executive Internship:
PR: ATR 3822L. Students will develop their knowledge, skills, and attitudes by providing direct care of athletic injuries; understand the medical delivery system in a variety of settings; and understand the legal and ethical aspects of practicing athletic training. Occasional.

BCH 4053 COS-CHEM 3(3,0)
Biochemistry I:

BCH 4053H COS-CHEM 3(3,0)
Honors Biochemistry I:

BCH 4054 COS-CHEM 3(3,0)
Biochemistry II:
PR: BCH 4053. Continuation of BCH 4053. Spring.

BCH 4103L COS-CHEM 2(0,6)
Biochemical Methods:
PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantification of materials of biological significance. Spring, M&S fee $70.00

BME 3211 ECS-MECHAERO 3(3,0)
Engineering Biomechanics:
PR: EGN 3310 and (EGN 3321 or EML 3217) and EGM 3601. Knowledge of engineering approaches and tools that are used in the different aspects of biomechanics. Odd Fall.

BME 5140 ECS-MECHAERO 3(3,0)
Materials Science Instrumentation:
PR: General graduate standing in Engineering, Biomedical Science, Biotechnology, Chemistry or related disciplines or C.I. A Study of engineering and materials concepts behind the clinical diagnostics currently used and under development, as well as technologies utilized in fabrication and characterization of these devices. Odd Fall.

BME 5572 ECS-EECS 3(3,0)
Biomedical Nanotechnology:
PR: EEL 3123C with a "C" (2.0) or better grade. Human Physiology, Bioelectronic Phenomena and Neurons, Nanoelectronics for fabrication of biosips for human biomedical applications, self-assembly, bioelectronics, moral and ethical issues. Spring.

BOT 3018C COS-BIOI 3(1,2)
Botany I:
PR: BOT 3802, Junior standing, or C.I. Cultural food traditions and the medicinal properties of plants and their role in both traditional and modern medicine; history of herbal medicine and alternative medicine practices and their use. Even Fall.

BSC 1005 COS-BIOI 3(3,0)
Biological Principles:
PR: A "C" (2.0) or better in PCB 3023 or C.I. A Study of bioceramics used by plants to cope with the environment. Odd Fall.

BSC 1015L COS-BIOI 1(0,2)
Biological Principles Laboratory:
CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring.

BSC 1050 COS-BIOI 3(3,0)
Biological Environment:
PR: A "C" (2.0) or better in PCB 3023 or a "C" (2.0) or better in PCB 3023, or C.I. The medicinal properties of plants and their role in both traditional and modern medicine: history of herbal medicine and alternative medicine practices and their use. Even Fall.

BSC 2010C COS-BIOI 4(3,2)
Botany II:
PR: High school biology or C.I. Open only to students whose major requires this specific course. Cellular and molecular basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee $2.00

BSC 2100C COS-BIOI 3(3,0)
Organic General Biology:
PR: Permission of Honors. Priority given to students whose major requires this course. Basic principles and unifying concepts of modern biology. Introduction to quantitative experimentation using intensive, open-ended labs. Fall, Spring. M&S fee $2.00

BSC 2110C COS-BIOI 4(3,2)
Botany II:
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 2502 COS-BIOI 3(3,0)
Conservation Biology:
PR: or CR: A minimum grade of "C" (2.0) in both BSC 2010C and BSC 2011C. Provides students with a foundation in the field of marine biology using a global perspective. Even Fall.
BSC 3402C COS-BIOL 4(1,3) Integrative Biology: PR: BSC 2010C and BSC 2011C; each with a "C" (2.0) or better, and C.I. A field-based course gathering information on natural history of various organisms in Florida, with special emphasis on scientific methods. Occasional.

BSC 3403C COM-BBBS 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 3403C COM-BBBS 4(2,4) Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee $59.00

BSC 3424 COM-BBBS 3(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 3(3,2) Strategy for Biology Academic Mentoring: PR: Junior or senior standing. Research reviews findings, theory, models and techniques of academic counseling and career counseling. Grading will be used in the degree program a maximum of 2 times. Occasional.

BSC 3949 COS-BIOL 0(0.8) Cooperative Education in Biology: PR: Departmental permission required before registering. Cooperative education experience in biology. Graded S/U. 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 issues in marine biology, emphasizing biodiversity and marine conservation through research, service-learning and field experiences. Even Spring. M&S fee $45.00

BSC 4330 COS-BIOL 3(3.0) Invasion Biology: PR: A "C" (2.0) or better in PCB 3044, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions. Even Spring.

BSC 4422L COS-BIOL 1-4(0.3-12) Biological Laboratory Techniques: PR: CHM 2210 and a "C" (2.0) or better in PCB 3044, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of biological laboratories. Graded S/U. May be repeated for credit. Occasional.

BSC 4434 COM-BBBS 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-BBBS 3(3.0) Biomedical Informatics: Structure Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

BSC 4821 COS-BIOL 4(4.0) Biogeography: PR: A "C" (2.0) or better in both PCB 3044 and PCB 4803, or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional.

BSC 4861L COS-BIOL 3(0.3) SL Sustainability: Socially & Economically Viable Environmental Protection: PR: A "C" (2.0) or better in BSC 2010C or C.I. A service-learning course utilizing an 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 3062. Biology major with 80 semester hours and 3.0 gpa. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in variety of university biology labs. Graded S/U. May be repeated for credit. Fall, Spring.

BSC 5258L COS-BIOL 2(0.3) Tropical Biogeography 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 Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. Occasional.

BSC 5316 COS-BIOL 3(3.0) Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 5332 COS-BIOL 3(3.0) Invasion Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. Even Spring.

BSC 5408L COS-BIOL 3(3.0) Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those biological, organizational, technical, and safety skills necessary 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-BBBS 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 biocompatible interactions. Occasional.

BSC 5436 COS-BBBS 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 55618 COS-BIOL 3(3.0) Phylogenetic Approaches in Biological Research: PR: Consent to Biology Department graduate program or C.I. A multidisciplinary approach to understanding evolutionary relationships among organisms using phylogenetics and what this implies about important questions in biology. Even Fall.

BSC 55824 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-CFCS 3(3.0) Course Construction in Business Education: PR: ECT 3365 or C.I. An overview and examination 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 3(3.0) Legal and Ethical Environment of Business: PR: Completion of each course in the Business common program prerequisites with a "C" (2.0) or better. Analysis of the law as a dynamic social and political institution in the business environment, including the contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT 3(3.0) Honors Legal & 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 the contract law, torts, and ethical consideration. Occasional.

BUL 5332 BA-ACCT 3(3.0) Advanced Business Law Topics: PR: Admission to the M.S. in Management 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 activity, and the role of law and ethics in the decision-making process. Occasional.

CAP 4053 ECS-EECS 3(3.0) AI for Game Programming: PR: COP 3502C with a grade of "C" (2.0) or better and C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 4104 ECS-EECS 3(3.0) Artificial Intelligence and Technology Interaction: PR: COP 3330 and COP 3502C each with a grade of "C" (2.0) or better. Perceptual, cognitive, affective, commercial, and cultural factors. Disciplines, techniques and methodologies. Web, mobiles, and wearables. Embodied conversational agents. Elderly, disabled and special needs. Fall.

CAP 4453 ECS-EECS 3(3.0) Robot Vision: PR: COP 3953C and MAC 2312 each with a grade of "C" (2.0) or better or C.I. Perspective and orthogonal projections; the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. Fall, Spring.

CAP 4630 ECS-EECS 3(3.0) Artificial Intelligence: PR: COP 3503C with a grade of "C" (2.0) or better and COT 3980. Current methods in AI: knowledge-based systems, representation, inference, planning, natural language. Programming in Lisp or Prolog required. Fall.

CAP 4720 ECS-EECS 3(3.0) Computer Graphics: PR: COP 3503C and MAC 1114C each with a grade of "C" (2.0) or better, and COT 3980. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics API. Occasional.

CAP 5015 ECS-EECS 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; video compression; model based compression. Occasional.

CAP 5055 ECS-EECS 3(3.0) AI for Game Programming: PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 5066 ECS-EECS 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 Web sites, and methodologies for; determining which tool is best suited for a particular application environment. Fall.

CAP 5100 ECS-EECS 3(3.0) Human-Computer Interface Design: PR: COP 4331C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. Fall.
UCF Courses and Descriptions

CAP 5415 ECS-EECS 3(3,0) Computer Vision: PR: COP 3503C, MAC 2312 and COT 3990. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 5510 ECS-EECS 3(3,0) Bioinformatics: PR: Background in programming language or molecular biology. This course introduces problems of computer science, algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.

CAP 5512 ECS-EECS 3(3,0) Evolutionary Computation: PR: CAP 4630 or COP 3503C or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. Spring.


CAP 5636 ECS-EECS 3(3,0) Advanced Artificial Intelligence: PR: CAP 4630. AI theories of knowledge representation, 'expert systems', memory organization, problem solving, learning, planning, vision, and natural language. Fall.

CAP 5725 ECS-EECS 3(3,0) Computer Graphics I: Architecture of graphics processors, display hardware, principles of programming and display software; problems and applications of graphics software. Spring.

CCE 4003 CE-CCE 3(3,0) Introduction to the Construction Industry: PR: EGN 3613, ENV 3501, EGN 3510 all with a grade of "C" (2.0) or better. CR: CWR 3201. Project delivery systems, construction contracts; estimating and scheduling; ethics and labor issues. Multi-disciplinary experience in engineering. Fall, Spring.

CCE 4004 CE-CCE 3(3,0) Construction Methods: PR: CES 4100C with a grade of "C" (2.0) or better. Introduction to the design and construction of residential and commercial buildings. Spring.

CCE 4034 CE-CCE 3(3,0) Construction Estimating and Scheduling: PR: CCE 4003 or C.I. Methods of project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4402 CE-CCE 3(3,0) Construction Equipment and Productivity: PR: CCE 4003, CWR 3201 both with a grade of "C" (2.0) or better. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. Spring.

CCE 4810C CE-CCE 3(2,2) Construction Design Project: PR: CCE 4343, CCE 4304, CCE 4813 all with a grade of "C" (2.0) or better. Departmental consent. CR: CCE 4402. The preparation and development of a proposal and plan for a construction project, including construction engineering systems, site facilities, construction methods, coordination, leadership, and control. Fall, Spring.

CCE 4813 CE-CCE 4(4,0) Mechanical and Electrical Systems for Buildings: PR: CCE 4033, PHY 2490, CWR 3201 all with grades of "C" (2.0) or better. Design and construction of mechanical and electrical systems for buildings. Fall.

CCE 5006 CE-CCE 3(3,0) Infrastructure Systems Management: PR: CCE 4003 or C.I. Essential elements of infrastructure systems and core concepts, methods, and technologies essential for infrastructure life cycle engineering and management. Fall, Spring.

CCE 5205 CE-CCE 3(3,0) Decision Support for Infrastructure Projects: PR: CCE 4004 and CCE 4304, 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 CE-CCE 3(3,0) Sustainable Infrastructure Systems: PR: CCE 5370 or CCI 3024. Introduction to the principles of sustainability as they relate to the built environment and infrastructure systems; sustainability metrics; life cycle assessment; resilience; green building principles. Spring.

CCJ 3014 HPA-CJ 3(3,0) Crime in America: PR: CWR 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 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 supervisory decision-making; leadership; its nature; methods, and traits. Recent theories and research in leadership, Occasional.

CCJ 3451 HPA-CJ 3(3,0) Justice System Technology: PR: CCJ 3024 or C.I. Examination of the role of information science and technology in developments to justice systems and their applicability to the operations and management of the systems. Occasional.

CCJ 3483 HPA-CJ 4(4,0) Labor Relations in Criminal Justice: PR: CCJ 3024 and CCJ 3450 or C.I. Examine the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. Occasional.

CCJ 3667 HPA-CJ 3(3,0) Victims and the Criminal Justice System: PR: CCJ 3024 or C.I. Examine the legal issues and problems commonly encountered in the criminal justice system (court and corrections). Occasional.

CCJ 4035 HPA-CJ 3(3,0) Crime and the Media: PR: CCJ 3024 or C.I. Examine the role of the media in the criminal justice system, criminals, and crime 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 3014 or C.I. Elements of Criminal Justice approach to genocide, including theories, precursors, case studies, organization, legal outcomes, and criminal justice majors' roles in studying and preventing genocide. Occasional.

CCJ 4076 HPA-CJ 3(3,0) Crime 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, ethnicity, and gender relations in the administration of justice in a democratic society. Occasional.

CCJ 4195 HPA-CJ 3(3,0) Interviews & Interrogations in CJ: PR: CCJ 3024 or (Criminal Profiling or Crime Scene Investigation certificate declared & Junior standing) or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal behavior, and the rules of testimonial evidence. Fall, Spring.

CCJ 4296 HPA-CJ 3(3,0) Law, Crime & Justice: Retail, & Transactional Problems: PR: CCJ 3014 or C.C. or CCJ 3024 or consent of instructor. A detailed examination of selected American crimes and trials since 1900. Occasional.

CCJ 4361 HPA-CJ 3(3,0) Death Penalty: PR: Sophomore standing and ENC 1102. An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.


CCJ 4651 HPA-CJ 3(3,0) Drugs and Crime: PR: Sophomore standing and ENC 1102. Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4670 HPA-CJ 3(3,0) Women and Crime: PR: Sophomore standing and ENC 1102. Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4677 HPA-CJ 3(3,0) Human Rights and Criminal Justice: PR: CCJ 3024 or C.I. 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 4694 HPA-CJ 3(3,0) Human Trafficking and Criminal Justice: PR: CCJ 3024 or C.I. Human trafficking from the global, national and local criminal justice perspectives. Occasional.

CCJ 4701 HPA-CJ 3(3,0) Research Methods in Criminal Justice: PR: CCJ 3014 and CCJ 3024, or C.I. Overview of the social science research methodology used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4746 HPA-CJ 3(3,0) Data Analysis for Criminal Justice: PR: CCJ 3014, or a grade of "C" or better in MAC 1105 or MGF 1106 or higher-level math class, or AA Degree, or C.I. Analytical methods useful for examining the types of data most often encountered. Criminal justice research and development and the knowledge and understanding necessary to comprehend and interpret basic statistics in criminal justice research, literature and reports. Fall, Spring.
Emergent Criminal Justice Issues: PR: Sophomore standing or ENC 1102. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit. Occasional.

The Nature of Crime: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.J. 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.

The Administration of Justice: PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.J. 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.

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 combat those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. Occasional.

Computational Logic for Organization: PR: COP 3223C with a grade of "C" (2.0) or better; CR: COT 3100C or MHE 3302 or MAD 2104. Logic design, computer arithmetic, Instruction Set Architecture (MIPS, SPIM simulator), performance, data path, control unit, memory hierarchy, I/O interface. Fall, Spring.

Advanced Computer Architecture: PR: EEL 4768C. Modern processor design, instruction-level parallelism, real-address parallelism, data-level parallelism, memory hierarchy, and I/O. Fall, Spring.


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 $11.00.

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.

Geotechnical Engineering Design: PR: CEG 4011C with a grade of “C” (2.0) or better and department consent. Project course on design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&S fee $14.00.

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.


Structural Analysis I and Lab: PR: EGN 3331 or COP 3331. Analysis of structures of “C” (2.0) or better. Topics in structural analysis, determination of the forces and displacements for a frame under a specified loading. Fall, Spring.

Applied Database I: PR: Approved programming course or C.J. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. Spring.

Introduction to Information Technology: PR: MATH 1110. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. Fall, Spring.

Applied Software Engineering: PR: COP 3331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Fall.

Software Development II: PR: CEN 4025 or COP 3330 or C.I. A continuation of Software Development I with larger and more complex projects. Enterprise-level applications are covered including distributed and web-based systems using n-tier architecture. Fall.


Mobile Device Software Development: PR: COP 3330 or C.I. Concepts and practices of software development for mobile devices. User interface, data persistence, data communication, use of APIs for sound, mapping, GPS, sensors, etc. Fall.

Decision Support Systems: PR: COP 3330 or C.I. Study of system analysis, design and implementation of data base packages and database applications. Fall.

Structural Analysis II: PR: CEN 4100C. Implementation of the matrix methods for structural analysis that are commonly and currently used in practice. Special topics such as finite element formulations, special analysis procedures, and use of software packages. Even Fall.

Software Development Project: PR: CEN 4025 or 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. Fall.

Testing: PR: COP 4330 or C.I. Study of system analysis, design and implementation of data base packages and database applications. Fall.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210</td>
<td>COS-CHEM Organic Chemistry I</td>
<td>3(3,0)</td>
<td>PR: A ‘C’ (2.0) or better in CHM 2046, and PR: CHM 2210. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. Fall, Spring.</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>COS-CHEM Organic Laboratory Techniques I</td>
<td>2(0.6)</td>
<td>PR: CHM 2046L and 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.</td>
</tr>
<tr>
<td>CHM 2310</td>
<td>COS-CHEM Analytical Chemistry</td>
<td>3(3.0)</td>
<td>PR: CHM 2406, CHM 2406L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Fall, Spring.</td>
</tr>
<tr>
<td>CHM 2312L</td>
<td>COS-CHEM Analytical Laboratory</td>
<td>1(0.3)</td>
<td>PR: CHM 2406; CHM 2046L, and PR: or CR: CHM 3120. Experimental exercise of quantitative methods of analysis using titrimetric, gravimetric, potentiometric, and spectrophotometric 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.</td>
</tr>
<tr>
<td>CHM 3215L</td>
<td>COS-CHEM Physical Laboratory</td>
<td>2(0.6)</td>
<td>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, M&amp;S fee $70.00</td>
</tr>
<tr>
<td>CHM 3410</td>
<td>COS-CHEM Physical Chemistry</td>
<td>4(3.1)</td>
<td>PR: CHM 2406, PHY 2049C, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.</td>
</tr>
<tr>
<td>CHM 3411</td>
<td>COS-CHEM Physical Chemistry II</td>
<td>3(3.0)</td>
<td>PR: CHM 3410. Continuation of CHM 3410. Spring.</td>
</tr>
<tr>
<td>CHM 3411L</td>
<td>COS-CHEM Physical Chemistry Laboratory</td>
<td>2(0.6)</td>
<td>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&amp;S fee $70.00</td>
</tr>
<tr>
<td>CHM 4130L</td>
<td>COS-CHEM Advanced Analytical Laboratory Technique</td>
<td>3(3.0)</td>
<td>PR: CHM 2211, 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.</td>
</tr>
<tr>
<td>CHM 4130</td>
<td>COS-CHEM Advanced Analytical Laboratory Technique</td>
<td>2(0.6)</td>
<td>PR: CHM 4130. Experimental course on 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 also be exercised. Spring. M&amp;S fee $70.00</td>
</tr>
<tr>
<td>CHM 4220</td>
<td>COS-CHEM Inorganic Chemistry III</td>
<td>3(3.0)</td>
<td>PR: CHM 2211L or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Even Fall.</td>
</tr>
<tr>
<td>CHM 4610</td>
<td>COS-CHEM Inorganic Chemistry Laboratory</td>
<td>3(3.0)</td>
<td>PR: or CR: CHM 3411. A description of descriptive inorganic chemistry based on various bonding theories, thermodynamics, and kinetics. Spring.</td>
</tr>
<tr>
<td>CHM 5225</td>
<td>COS-CHEM Advanced Organic Chemistry</td>
<td>3(3.0)</td>
<td>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.</td>
</tr>
<tr>
<td>CHM 5235</td>
<td>COS-CHEM Applied Molecular Spectroscopy</td>
<td>3(3.0)</td>
<td>PR: CHM 3120 and CHM 2211, plus graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR, and Mass Spectra. Occasional.</td>
</tr>
<tr>
<td>CHM 5450</td>
<td>COS-CHEM Polymer Chemistry</td>
<td>3(3.0)</td>
<td>PR: CHM 2211, 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.</td>
</tr>
<tr>
<td>CHM 5451C</td>
<td>COS-CHEM Techniques in Polymer Science</td>
<td>3(1.5)</td>
<td>PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Spring. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>CHM 5580</td>
<td>COS-CHEM Advanced Physical Chemistry</td>
<td>3(3.0)</td>
<td>PR: CR: CHM 3411 and MAC 2313, and graduate standing or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasional.</td>
</tr>
<tr>
<td>CHM 5715C</td>
<td>COS-CHEM Optical Materials Processing and Characterization Techniques</td>
<td>3(2.3)</td>
<td>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.</td>
</tr>
<tr>
<td>CHS 1440</td>
<td>COS-CHEM Principles of Chemistry</td>
<td>4(3.1)</td>
<td>PR: Completion of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving, including atomic structure, states of matter, stoichiometry, equilibria, electrochemistry and thermodynamics. The “NC” grading policy applies to this course. Fall, Spring.</td>
</tr>
<tr>
<td>CHS 3501</td>
<td>COS-CHEM Introduction to Forensic Science</td>
<td>3(3.0)</td>
<td>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.</td>
</tr>
<tr>
<td>CHS 3505C</td>
<td>COS-CHEM Forensic Microscopy</td>
<td>4(2.6)</td>
<td>PR: ‘C’ grade or better in CHM 2046L, and CHM 3501; or PR: or CR: PHY 2049C. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall, M&amp;S fee $69.00</td>
</tr>
<tr>
<td>CHS 3511C</td>
<td>COS-CHEM Trace Evidence</td>
<td>4(2.6)</td>
<td>PR: ‘C’ grade or better in CHM 3505C &amp; CHM 2211. An advanced study of the techniques used to identify and compare trace evidence. Spring. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>CHS 3514C</td>
<td>COS-CHEM Bomb Scene Investigation</td>
<td>2(3.2)</td>
<td>PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analysis of evidence from a post blast bomb crime scene. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>CHS 3530C</td>
<td>COS-CHEM Forensic Analysis of Controlled Substances</td>
<td>4(3.3)</td>
<td>PR: ‘C’ grade or better in CHM 2211, PR: or CR: CHS 3565C &amp; CHM 3120, or C.I. Study of prescriptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall, M&amp;S fee $68.00</td>
</tr>
<tr>
<td>CHS 3533</td>
<td>COS-CHEM Forensic Biochemistry</td>
<td>2(0.2)</td>
<td>PR: C or better in PCB 3063 and PCB 3253. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.</td>
</tr>
<tr>
<td>CHS 3533L</td>
<td>COS-CHEM Forensic Biochemistry Laboratory</td>
<td>1(0.3)</td>
<td>PR: ‘C’ grade or better in BSC 2010C, PCB 3063, PCB 3063L, PCB 3233, PCB 3233L, and PR: or CR: CHS 3533. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall, M&amp;S fee $70.00</td>
</tr>
<tr>
<td>CHS 3540C</td>
<td>COS-CHEM Fire and Debris Analysis</td>
<td>2(1.3)</td>
<td>PR: CHM 3120 and C.I. a lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.</td>
</tr>
<tr>
<td>CHS 3595</td>
<td>COS-CHEM Forensic Science in the Courtroom</td>
<td>3(3.0)</td>
<td>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.</td>
</tr>
<tr>
<td>CHS 3949</td>
<td>COS-CHEM Cooperative Education in Chemistry</td>
<td>0(0.8)</td>
<td>PR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded SU. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>CHS 4506C</td>
<td>COS-CHEM Forensic Investigation Technology</td>
<td>3(2.3)</td>
<td>PR: A grade of ‘C’ or better in CHS 3650 or C.I. Modern technology applied to forensic investigation. Occasional.</td>
</tr>
</tbody>
</table>
CJE 4630 HPA-CJ  3(3,0)  Serial Murder and Criminal Justice: PR: Junior Standing and ENC 1102 or C.I. Study of extent, types, and explanations of serial murder, and responses of the general public, law enforcement, and prosecution. 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.

CJL 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 governmental institutions including juvenile court process, intake services, and remedial procedures and practices. Occasional.

CJL 4130 HPA-CJ  3(3,0)  Criminal Law in Action: PR: Sophomore Standing and ENC 1102. Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.

CJL 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 criminal trial courts, and of the processes of charging, adjudicating, and sentencing defendants. Fall, Spring.

CJL 4010 HPA-CJ  3(3,0)  Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of various police decision-making stages; including stops and frisks; arrests; searches and seizures; wiretapping; and, interrogations. Occasional.

CJL 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.

CJL 4410 HPA-CJ  3(3,0)  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.


CJL 5049 HPA-CJ  6(6,0)  International Perspectives on Law and Justice: PR: C.I. or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.

CJT 3803 HPA-CJ  3(3,0)  Security Management: PR: SCC 3311 or C.I. Examination of a global security management environment impacted by downsizing a dramatically changing work force, religious extremism/terrorism, technological revolution and other challenges. Occasional.

CJT 3821 HPA-CJ  3(3,0)  Practical Security Applications: An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. Occasional.

CJT 4843 HPA-CJ  3(3,0)  Risk Management in Criminal Justice/Private Security: PR: SCC 3311 or C.I. This course examines the concept of risk management in criminal justice context. Occasional.

CLT 3370 CAH-PHI  3(3,0)  Classical Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2012, or UT 2110, or CGL 3370. Common themes found in the myths of various cultures; theories of their origins, meaning and value in human experience. Occasional.

CST 3004 ECS-EECS  3(3,0)  Computer Network Concepts: CR: PHY 2210 and a grade of C (2.0) or better in C.I. An introduction to networks and network and computer science, protocol, current and evolving standards for local, metropolitan, wide area and wireless networks. Fall, Spring.

CST 4403 ECS-EECS  3(3,0)  Computer Security: CR: CST 3004 or CIS 3690 or CNT 4701 or CNT 4704 or CNT 3502 or CNT 3690 or CIS 3692 all with a grade of C (2.0) or better. Fundamentals of network security, protocols, secure applications, network management, security policy, firewalls, and privacy issues. Occasional.

CST 4603 ECS-EECS  3(3,0)  Systems Administration and Maintenance: PR: CS 3763 with a grade of C (2.0) or better. An examination of operating systems and applications installation, configuration, and maintenance, including client-server services, content management and deployment, server administration and management, and user/group management. Fall, Spring.

CST 4703C ECS-EECS  3(1,2)  Design and Implementation of Computer Communication Networks: PR: CNT 3004 and CEP 3502C and (MAD 2104 or COT 3100C) all with a grade of C (2.0) or better. Data communication networking technology, network design using layering. Introduces cabling, topology, architecture, hardware and software. Includes performance and control issues such as congestion control, error control, contention resolution. Occasional.

CST 4704 ECS-EECS  3(3,0)  Analysis of Computer Communication Networks: PR: (COT 3100C or MAD 2104) and STA 2203 each with grades of C (2.0) or better. Network design using layering. Introduces cabling, topology, architecture, hardware and software. Includes performance and control issues such as congestion control, error control, contention resolution. Occasional.

CST 4714 ECS-EECS  3(3,0)  Enterprise Computing: PR: CS 3289, MAD 2104, CEP 3300 and CEP 3302C all with a grade of C (2.0) or better. Client-server architecture, Server-side scripting: Servlets, JSP, PHP, JDBC and MySQL database, connectivity, Multi-threaded Java applications. UCF development. SSL, Event-driven programming. Fall, Spring.


CST 5410G ECS-EECS  3(1,3)  Cyber Operations Lab: PR: IDC 5602 or C.I. Programming, software, and hardware components for cybersecurity operations related to system administration, firewall, cyber attack, cyber defense, secure architectures at network and computer level. Occasional.

COM 1000 COS-COMM  3(3,0)  Introduction to Communication: Survey course introducing students to theory, research, and practical principles associated with human communication in interpersonal, public, and professional contexts. Fall, Spring.

COM 3003 COS-COMM  3(3,0)  Exploring Human Communication: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. The variety of topics and contexts that human communication scholars examine, the theories that have emerged and the research that creates the theories. Occasional.

COM 3011C COS-COMM  3(1,2)  Communication and Human Relations: PR: or C.I. COMM 3311. Semantics; symbols and meaning and their relationship with human behavior. Fall, Spring.

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COM 3013 COS-COMM 3(3,0)
Communication and the Family: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or CI. The ways members of a family interact verbally and nonverbally to influence one another. Fall, Spring.

COM 3022 COS-COMM 3(3,0)
Health Communication: PR: SPC 1608, SPC 1603C, COM 1000, or CI. Theories and research about the role communication plays in health. Fall.

COM 3110 COS-COMM 3(3,0)
Business and Professional Communication: PR: I/O, AdPr, or I/O TV Majors or I/O CoM Minors only, and one of the following: SPC 1608, SPC 1603C, or CI. Theoretical and practical training in effective presentational speaking for business and professions. Fall, Spring.

COM 3110H COS-COMM 3(3,0)
Honors Business and Professional Communication: PR: Majors only, SPC 1608 or SPC 1603C or CI. and consent of Honors. Theoretical and practical training in effective presentational speaking for business and professions. With Honors content. Occasional.

COM 3120 COS-COMM 3(3,0)
Organizational Communication: PR: or CR: COM 3311, or CI. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.

COM 3311 COS-COMM 3(3,0)
Communication Research Methods: PR: STA 2014C and I/O Major or I/O Minor, or Human Communication major or Human Communication minor, or CI. Research methods used in communication. Understanding and evaluation of original research emphasized. Fall, Spring.

COM 3330 COS-COMM 3(3,0)
Computer Mediated Communication: PR: CGS 1060C or CGS 2100C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Spring.

COM 3332 COS-COMM 3(3,0)
Communication, Technology, and Change: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or CI. How new technologies influence (and are influenced) communication in a variety of contexts, including organization and interpersonal settings. Fall, Spring.

COM 3406 COS-COMM 3(3,0)
Role of Motivation in Communication: PR: or CR: COM 3311, or CI. Emphasis on approaches, methodologies, and analyses used to inform the process of human conflict communication. Fall, Spring.

COM 3800 COS-COMM 3(3,0)
Conflict Communication Research Methods: PR: SPC 1608, or SPC 1603, or COM 1000, or CI. Survey of research methods used by conflict communication scholars; emphasis on approaches, methodologies, and analyses used to inform the process of human conflict communication. Fall, Spring.

COMM 301 Communication Theories of Interpersonal Conflict: PR: or CR: COMM 3000. Examination of social dynamics, interpersonal behavior, and motivation in a variety of settings in order to analyze intergroup conflict, and violence reducing strategies and techniques. Fall, Spring.

COMM 302 COMM 300 Communication & Conflict: PR: or CR: COMM 3000. Examination of major theories related to communication and conflict focusing on the influence of message content, relationships, and environments in multiple conflict scenarios. Fall, Spring.

COMM 3912 COMM 300 Collaborative Experiential Research Practicum: PR: Epcr 300, SPC 1608, SPC 1603C or COM 1000, or CI. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/sociological scientific research. May be used in the degree program a maximum of 2 times. Occasional.

COT 4210 Discrete Structures II: PR: COP 3503C with a grade of "C" (2.0) or better. Foundation Theory. A study of the properties of grammars and automata as formal specification for algorithms and families of languages. Fall,Spring.


COT 4500 Numerical Calculus: PR: ENC 1102 or MAC 2312 and COP 3222C each with a grade of "C" (2.0) or better. Numerical methods for finding roots of nonlinear equations, solutions of systems of linear equations, and ordinary differential equations. Occasional.

COT 4810 Topics in Computer Science: PR: COP 3402 and COP 3503C each with a grade of "C" (2.0) or better. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. Fall,Spring.


CPO 3034 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.

CPO 3057 Contemporary Revolution and Political Violence: PR: ENC 1102 or C.I. Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.

CPO 3103 Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.

CPO 3104 Politics of Western Europe: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1945 era. Odd Spring.

CPO 3132 Canadian Studies: PR: POS 2041 or C.I. A multidisciplinary approach to the study of Canada, its people, culture, government, and economy. Occasional.

CPO 3403 Politics of the Middle East: PR: ENC 1102 or POS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Occasional.

CPO 3403H Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content Occasional.

CPO 3614 Politics of Eastern Europe: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Occasional.

CPO 4062 Comparative Judicial Process: PR: ENC 1102 or POS 2041 or C.I. A study of the origins, institutions, and functioning of the judicial system in contemporary advanced industrial societies and less developed countries. Even Fall.

CPO 4074 Political Economy: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.

CPO 4101 Politics of the European Union: PR: ENC 1102 or POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.

CPO 4123 Government and Politics of Great Britain: PR: ENC 1102 or POS 2041 or C.I. A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain’s foreign policy and European role will be discussed. Even Spring.

CPO 4303 Comparative Latin American Politics: PR: ENC 1102 or POS 2041 or C.I. Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Even Fall.

CPO 4445 Comparative Political Institutions: PR: ENC 1102 or POS 2041 or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.

CPO 4514 Politics of East Asia: PR: ENC 1102 or POS 2041 or C.I. Major trends in political, economic, and socio-cultural aspects in the Eastern Asian region. Occasional.

CPO 4541 Chinese Politics: PR: ENC 1102 or POS 2041 or C.I. China’s political development since 1949. Occasional.

CPO 4553 Politics of Japan: PR: ENC 1102 or POS 2041 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. Occasional.

CPO 4642 Government and Politics of Russia: PR: ENC 1102 or POS 2041 or C.I. The study of the origins, institutions, and functioning of the Russian political system, including the influence of both advanced industrial societies and less developed countries. Fall,Spring.

CPO 4710 Women in Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. A cross-national perspective on women and politics: how women behave politically in various political and economic contexts. Occasional.

CPO 4731 Politics of Democratization: PR: POS 2041 or ENC 1102 or INR 2002 or Junior standing or C.I. Develops comparative perspectives and analytical skills on issues of democratization and regime change. Occasional.

CPO 4754 Comparative Political Institutions: PR: ENC 1102 or POS 2041 or C.I. The course analyzes major types of political institutions from a comparative perspective including electoral laws, division of power, types of democracy, federalism, and the judiciary. Occasional.

CPO 4784 Political and Economic Inequality in Comparative Perspective: PR: ENC 1102 or POS 2041 or C.I. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions. Occasional.

CPO 4810 Indigenous Politics and the Environment: PR: POS 2041 or C.I. Unique environmental politics specific to indigenous peoples around the world. Occasional.

COP 4610L 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 Database Systems: PR: COP 3503C with a grade of "C" (2.0) or better. Structures, database models and languages, related database design, and implementation techniques for database management systems. Fall,Spring.

COP 4910 Frontiers in Information Technology: PR: CNT 4703 with a grade of "C" (2.0) or better; CR: CNT 4703C and CIS 4951. 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 Senior Design II: PR: COP 3402 and COP 3503C each with a grade of "C" (2.0) or better and 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 5021 Program Analysis: PR: COP 4020 and COP 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.


COP 5621 Compiler Construction: PR: COP 4042 and COP 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. Even Spring.

COP 5711 Parallel and Distributed Database Systems: PR: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems. Occasional.

COT 3100C Introduction to Discrete Structures: PR: MAC 1105C and MAC 1114C each with a grade of "C" (2.0) or better. Logic, sets, functions, relations, combinatorics, graphs, Boolean algebras, finite-state machines, Turing machines, unsolvability, computational complexity. Fall,Spring.

COT 3100H Honors Introduction to Discrete Structures: PR: Permission of Honors and MAC 1105C and MAC 1114C each with a grade of "C" (2.0) or better. Logic, sets, functions, relations, combinatorics, graphs, Boolean algebras, finite-state machines, Turing machines, unsolvability, computational complexity. Occasional.
CRW 3010H CAH-ENG 3(3,0) Honors Creative Writing: PR: Honors GEP completion and permission of Honors. Theory and techniques of literary genres, with honors level content; practice and critique of original writing by peers and critical reading of established authors. Occasional.

CRW 3011 CAH-ENG 3(3,0) Creative Writing for Non-Majors: PR: Grade of C (2.0) or better required in ENG 1102. Only open to non-majors. The techniques of literary genres; the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. Fall, Spring.

CRW 3013 CAH-ENG 3(3,0) Creative Writing for Non-Majors: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in ENG 1102, or C.I. Literary genres; practice and critique of peer writing; critical reading of established authors. Fall, Spring.

CRW 3053 CAH-ENG 3(3,0) Theory & Practice of Creative Writing: PR: English major or minor, Junior standing, and a grade of "C" (2.0) or better in ENG 1102, or C.I. Examination of the genres and readings in contemporary creative writing with attention to literary technique, and discussion of issues in the field. Fall, Spring.

CRW 3120 CAH-ENG 3(3,0) Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. Fall, Spring.

CRW 3211 CAH-ENG 3(3,0) Creative Nonfiction Workshop: PR: English major or minor, Junior standing, and grade of "C" (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Writers present original nonfiction writing for class response and individual conferences. Reading of key works of creative nonfiction with discussion of definitions of the genre. Fall, Spring.

CRW 3310 CAH-ENG 3(3,0) Poetry Writing Workshop: PR: English major or minor, junior standing, and a grade of "C" (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.

CRW 3311 CAH-ENG 3(3,0) Reading in Poetry for Creative Writing: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Intensive study of the structural characteristics of English, poetry, metaphysical systems, rhyme, scan, and poetic rhetorical devices. Occasional.

CRW 3540 CAH-ENG 3(3,0) Literary Magazines: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. Occasional.

CRW 3610 CAH-ENG 3(3,0) Writing Scripts: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Theory and practice of writing scripts for film and TV. Occasional.

CRW 3713 CAH-ENG 3(3,0) Writing for Video Games: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Basic theories and practices associated with game design. Students learn effective writing techniques for developing original video games. Occasional.

CRW 3950 CAH-ENG 3(3,0) Cypress Dome Editorship: PR: C.I. Responsibility for all aspects of editing The Cypress Dome-UCF's student literary journal. May be used in the degree program a maximum of 2 times. Fall, 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. Fundamentals of classical ballet; includes practical dance work as well as dance history lectures. Fall.

DAA 2201C CAH-THEA 2(2.1) Ballet II: PR: Theatre major, Dance minor, or department consent. Theory of classical ballet techniques, including principles, theory, and practice technique. Spring.

DAA 2300 ED-EAHS 2(2.0) Ballroom Dance: Instruction in selected ballroom dances (fox trot, waltz, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2351 ED-EAHS 2(2.0) Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (meringue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2393C CAH-THEA 2(2,1) Theory and practice of jazz technique. May be repeated for credit.

DAA 2570C CAH-THEA 2(2.1) Intermediate Jazz dance using theory and practice. May be repeated for credit.

DAA 2571C CAH-THEA 2(2,0) Advanced study of jazz dance, using theory and practice of jazz technique. May be repeated for credit.

DAA 3370 ED-EAHS 2(1,2) Dance and Rhythms: The development of skill proficiency and instructional strategies in rhythms and dance techniques, and fundamental movement patterns for grades K-12. Occasional.

DAN 3134 CAH-THEA 2(3,0) Dance History I: PR: ENC 1101 or any 2000-level History course or C.I. The roots, trends, and styles of dance from prehistory through the early 20th century. Fall.


DEP 2004H COS-PSYCH 2(3,0) Honors Developmental Psychology: PR: PSY 2012 and C.I. Honors Genetic, psychological, maturational, and social factors on behavior throughout the life cycle. With Honors content. Fall.


DEP 3464 COS-PSYCH 2(3,0) Psychology of Aging: PR: PSY 2012. An examination of basic psychological processes related to the aging process, with emphasis on the applied implications of changes in perceptual-motor, social emotional and cognitive-intellectual functioning. Occasional.

DEP 5057 COS-PSYCH 2(3,0) Developmental Psychology: PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors. Spring.

DIG 2000 CAH-SVAD 2(3,0) Introduction to Digital Media: PR: ENC 1101 and MAC 1105C. Introduction to history, principles, and processes associated with digital media and design, production, and use of digital imagery and animation for design concepts. Fall, Spring.


DIG 2190C CAH-SVAD 2(2,2) Creative Digital Media Problem Solving: PR: Minimum grade of “B” (3.0) in DIG 2000. Practical tools to enhance the creative process in the development of new, novel, and useful ideas for digital media. Fall, Spring.

DIG 3003 CAH-SVAD 2(3,0) Adventures in Emerging Media: PR: ENC 1101. Examination of the rules and culture of emerging media. The course is presented online in a nonlinear “choose your own adventure” format. Occasional.

DIG 3024 CAH-SVAD 2(3,0) Digital Cultures & Narrative: PR: DIG 2030C, DIG 2190C, DIG 2500C, and a minimum grade of “B” (3.0) in DIG 2000. Study of understanding of media and digital technologies from an interdisciplinary perspective. Conceptual structure and design of visual and interactive storytelling. Fall, Spring.

DIG 3035 CAH-SVAD 2(1,0) Digital Media in the Workplace: PR: ENC 1102. Workplace skill preparation for Digital Media Practicum. Focuses on server-side scripting methodologies and database design. Fall, Spring.


DIG 3153 CAH-SVAD 2(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 2(3,0) Tools for Digital Humanities: PR: ENC 1102 or C.I. Examination of digital humanities and end technologies, including web and games, used for projects and research in digital humanities. Occasional.

DIG 3253C CAH-SVAD 2(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 2(3,0) Artificial Environments and Effects: PR: DIG 2190C 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 3362C CAH-SVAD 2(3,0) Artificial Characters: PR: DIG 2190C and C.I. CR: DIG 3951. Processes and techniques for design and animation of artificial characters to convey story, thought, or concept in a visual medium. Fall, Spring.


DIG 3450C CAH-SVAD 2(3,0) Interactive Performance: 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 2(3,0) Honors Interactive Performance I: PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors consent. Occasional.
DIG 4380C CAH-SVAD 3(2,2) Computer as a Medium: PR: DIG 2500C and a minimum grade of "B" (3.0) in DIG 3000. Fundamentals of client-side scripting with an emphasis on web technologies. Development of interactive web sites using current scripting languages. Fall, Spring.

DIG 3525 CAH-SVAD 3(3,0) Digital Media Production I: PR: DIG 3520C, DIG 4700C, and a minimum grade of "B" (3.0) in DIG 3520. Media project planning, organization, and execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.


DIG 3554 CAH-SVAD 3(3,0) Digital Tools and Technologies: Web Design: PR: Grade of "C" (2.0) or better in DIG 2000 or C.I. Creative and functional website design and development using Adobe Dreamweaver, including use of CSS, HTML, and incorporation of media and mobile design. Fall, Spring.

DIG 3563 CAH-SVAD 3(3,0) Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets and webtechniques with an emphasis on sustainable growth 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 and design of web pages. Design using markup languages and style sheets to produce visually pleasing and usable web pages. Interactive interfaces. Fall, Spring.

DIG 3811 CAH-SVAD 3(3,0) User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.

DIG 3951 CAH-SVAD 0(0,0) Character Animation Portfolio Review: PR: C.I. Review of relevant digital and artistic works in a student’s portfolio. Graded S/U.

DIG 4104C CAH-SVAD 3(2,2) Web Design Workshop: PR: DIG 3134C, DIG 3716C, DIG 3563, and DIG 3811. Students will practice designing and implementing professional-quality websites. May be used in the degree program a maximum of 2 times. Fall, Spring.


DIG 4206C CAH-SVAD 3(1,4) New Imagery in Motion Workshop: PR: DIG 4325C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. Spring.

DIG 4323C CAH-SVAD 3(1,4) Modeling for Visual Language: PR: DIG 4451C or C.I. Application of techniques taught to model, rig, and prepare a final character so that they may be animated, effectively and express narrative for digital production. Fall.


DIG 4325C CAH-SVAD 3(1,4) Look Modeling Workshop: PR: DIG 4780C and successful portfolio review, or C.I. Techniques of designing and developing a 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 concepts and techniques developed in the previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-SVAD 3(1,4) Artificial Environments and Effects Workshop: PR: DIG 3350C and successful portfolio review, or C.I. Techniques and mechanisms of artificial environments, with emphasis on composting, image processing, visual style, visual continuity. Spring.

DIG 4369C CAH-SVAD 3(1,4) Artificial Characters Workshop: PR: DIG 3360C 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(2,2) 3D Textures: PR: DIG 4323C or C.I. Advanced techniques for modeling lighting and visual 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 4395C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and composting to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as part of a creative content. Spring.

DIG 4395 CAH-SVAD 3(3,0) Motion Capture for Performance: PR: DIG 3360C or C.I. Rigging and modeling with emphasis on strong visual designs which communicate effectively. Odd 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 evolving emotion. Spring.

DIG 4451C CAH-SVAD 3(3,0) Visual Storytelling and Visual Development Workshop: PR: DIG 3433C and successful portfolio review, or C.I. Techniques 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 3490C 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, direct and produce the 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 Application Web Development: PR: DIG 3104 and DIG 3710C. Interactive 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 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Managers and web-execution of large digital media 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 3710C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Fall, Spring.

DIG 4624C CAH-SVAD 3(1,4) Digital Production in Artificial Environments: PR: DIG 4395C, successful portfolio review, or C.I. Techniques of technologies 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 various media-based applications using ActionScript, including dynamic and input text, variables, physics, artificial intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704 CAH-SVAD 3(3,0) Interactive Entertainment I: PR: DIG 3525 or C.I. Ways to apply diverse skills of film making to digital media, non-linear story telling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-SVAD 3(3,0) Game Design: PR: DIG 3024 and DIG 3525. Principles and theories of video game design, including software, content, interaction, and game play design. Project based. Fall, Spring.

DIG 4715C CAH-SVAD 3(2,2) Game Production: PR: A minimum grade of "B" (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of game design, including software, content, interaction, and game play design. 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 4710 and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-SVAD 3(2,2) Game Design Workshop: PR: DIG 4715C, 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 4855 CAH-SVAD 3(3,0) Converging Media Capstone: PR: GEB 3031 Cornerstone and 12 hours of restrictive electives within the Visual Arts and Emerging Media Management Track. Team based converging media projects leading to a capstone project that emphasizes creative thinking, prototype, development, marketing, and assessment paralleling the business world. Even Fall, Even Spring. M&S fee $45.00.

DIG 5045C CAH-FIEA 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-FIEA 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 form of formal design, productive processes, examining the theories of usability and object oriented design. Fall.

DIG 5487 CAH-SVAD 3(3,0) Principles of Visual Language: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. Fall.

DIG 5529C CAH-FIEA 3(1,3) Production for Media: PR: Admission to Digital Media MS program or C.I. Theories and practices of production processes for interactive entertainment. Fall.

DIG 5548C CAH-FIEA 3(1,3) Rapid Prototype Production I: PR: Admission to Digital Media master’s program or C.I. Cultural and technological perspectives formed by the intersection of media and cultural studies, art history and criticism, and cinematic studies. Fall.

DIG 5810 CAH-SVAD 3(3,0) Ways of Seeing: Cultural and Technological Perspectives: PR: Admission to Digital Media and the這些 courses are mentioned.

DIG 5875C GRDST-INTERDIS 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 applications. Fall.

DIG 5876 GRDST-INTERDIS 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.

DSC 4012 HPA-CJ 3(3,0) Terrorism: PR: Sophomore Standing and ENC 1102. An examination of competing ideologies of a variety of social and political conflicts (both international and domestic) that give rise to terrorism and of the implications for the criminal justice system. Occasional.


EAB 3703C COS-PSYCH 4(3,2) Principles of Behavior Modification: PR: PSY 2012. 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.

EAB 3703C COS-PSYCH 4(3,2) Principles of Behavior Modification - Part II: PR: EAB 3703C. 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.

EAB 5765 COS-PSYCH 3(3,0) Applied Behavior Analysis with Children and Youth: PR: EAB 5057 and BSW 4054; 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 ECS-MECHAERO 3(3,0) Fundamentals of Aerospace Flight: PR: EGN 3321 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311C, MAC 2312 and PHY 2048; CR: EGN 3534. Fundamentals of aerodynamics and flight mechanics, airflow theory, internal and external flows, airplane performance. Fall.

EAS 3010 ECS-MECHAERO 3(3,0) Fundamentals of Aerospace: PR: EML 3701. Viscous, incompressible fluid flow; flow over finite wings; aerodynamic design; introduction to computational fluid dynamics. Spring.


EAS 3810C ECS-MECHAERO 3(1,3) Design of Aerospace Experiments: PR: EAS 3800C; and EAS 3810C or EML 3701. Extension of EAS 3800C. Design of experiments in aeronautic/aerospace systems with emphasis on project team learning. Spring, M&S fee $45.00

EAS 3990 ECS-MECHAERO 0(0,0) Aerospace Career and Academic Faculty Advising I: PR: FAP 3990 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Graduated S/U. Fall, Spring.


EAS 4134 ECS-MECHAERO 3(3,0) High-Speed Aerodynamics: PR: EAS 3101. Normal and oblique shock waves, nozzle and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Viscous boundary layer and applications to the design process. Fall.

EAS 4154 ECS-MECHAERO 3(3,0) Rocketcraft Aerodynamics: PR: EAS 3101. Helicopter aerodynamics. Momentum and blade element theories applied to hover, vertical and forward flight. Factors affecting design, performance & stability will be discussed. Occasional.

EAS 4200 ECS-MECHAERO 3(3,0) Analysis & Design of Aerospace Structures: PR: EGM 3801. Aerosp. Structures and Components, loads, bending, shear and torsion of thin-walled open and closed section beams, structural idealization, analysis of fuselage and wing sections, structural stability (buckling) of columns and monocoque cylinders. Fall.


EAS 4300 ECS-MECHAERO 3(3,0) Aerothermodynamics of Propulsion Systems: PR: EML 4209 and EML 4142. Fundamental analysis and design considerations of propulsion systems. Turbomachinery, ramjets and rockets. Spring.

EAS 4400 ECS-MECHAERO 3(3,0) Spacecraft Attitude Dynamics: PR: EML 4312C or EML 4225. Kinematics and dynamics of rigid and multi-body systems with emphasis on rotational motion. Attitude control with momentum exchange actuators and thrusters. Occasional.

EAS 4404C ECS-MECHAERO 3(2,3) Discrete Control in Aerospace Vehicles: PR: EAS 3900C and (EAS 4210 and EML 4312C) or (EML 4225 and EML 4313). Discrete control aspects of aerospace vehicles, digital controller, design, state-space representation, Z-transform, system response. Spring. M&S fee $15.00

EAS 4505 ECS-MECHAERO 3(3,0) Orbital Mechanics: PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Two-body problem, orbital equations, orbital transfer, earth satellite operation. Spring.

EAS 4700C ECS-MECHAERO 3(1,6) Aerospace Design I: PR: EAS 3010 or EML 3701, EAS 3800C, EML 4142, and department consent; CR: EAS 4105, EAS 4134, EAS 4401. Applied process to the team solution of a state-of-the-art problem. Airplanes and spacecraft vehicles, systems and devices are considered. Fall, Spring.

EAS 4703C ECS-MECHAERO 3(2,4) Small Satellite Payloads and Integration: PR: EAS 3010 or EML 3800C or EML 3801C or ESI 4523. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their payloads in all of a small satellite: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Two-body problem, orbital equations, orbital transfer, earth satellite operation. Spring.

EAS 4710C ECS-MECHAERO 3(1,6) Aerospace Design II: PR: EAS 4700C, EAS 4991. Continuation of the design process in the team building and testing of a prototype/model of an airplane, spacecraft, system or device. Fall, Spring. M&S fee $80.00

EAS 4991 ECS-MECHAERO 0(0,0) Aerospace Career and Academic Faculty Advising II: PR: EAS 3990 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Graduated S/U. Fall, Spring.


EAS 5211 ECS-MECHAERO 3(3,0) Aeroelasticity: 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 aeroelasticity; flutter and vibration. Occasional.

EAS 5302 ECS-MECHAERO 3(3,0) Direct Energy Conversion: PR: EAS 3101 and EML 4142. Direct methods of energy conversion; particular emphasis on fuel cells, thermoelctrics, thermionics, and trade-offs created by interactions between aerodynamic and structural systems. Analysis and systems design. Occasional.

UCF Courses and Descriptions

EAS 5407C ECS-MECH/AERO 3(3,2)

EAS 5535 ECS-MECH/AERO 3(3,0)
Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4501C, EML 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.

ECM 4504C ECS-EECS 4(3,3)

ECO 2013 BA-ECON 3(3,0)
Principles of Macroeconomics: An introduction to understanding the economy, national income, employment, and price level determination, stabilization policies, and international economics. Fall, Spring.

ECO 2013H BA-ECON 3(3,0)

ECO 2023 BA-ECON 3(3,0)
Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.

ECO 2023H BA-ECON 3(3,0)
Honors Principles of Microeconomics: PR: Permission of Honors. The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors content. Occasional.

ECO 3070 BA-ECON 1(1,0)
Tutoring/Teaching Techniques for Undergraduate Economics: PR: Satisfactory completion of same course the student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. Graded S/U. May be used in the degree program a maximum of 4 times. Fall, Spring.

ECO 3101 BA-ECON 3(3,0)

ECO 3203 BA-ECON 3(3,0)

ECO 3223 BA-ECON 3(3,0)

ECO 3401 BA-ECON 3(3,0)
Quantitative Business Tools I: PR: ECO 2023, and MAC 1105C or MAC 1140C. Introduction to mathematical and statistical analysis of economics and business problems. Fall, Spring.

ECO 3410 BA-ECON 3(3,0)
Mathematical Economics: PR: ECO 3101. Mathematical methods with particular focus on microeconomics foundations of individual decision-making. Spring.

ECO 3411 BA-ECON 3(3,0)
Quantitative Business Tools II: PR: Junior standing and business major or minor. ECO 2013, ECO 2023, and ECO 3401. The use of statistical methods and scientific tools in the analysis of economics and business problems. Fall, Spring.

ECO 3703 BA-ECON 3(3,0)
International Microeconomics: PR: ECO 3101. Fundamental principles of Classical and Neoclassical international trade theories, as well as trade's impact on global resource flows and the impact of trade on the developing world. Trade policy both in theory and practice is also examined. Fall.

ECO 3704 BA-ECON 3(3,0)

ECO 4033 BA-ECON 3(3,0)

ECO 4412 BA-ECON 3(3,0)

ECO 4504 BA-ECON 3(3,0)

ECO 4713 BA-ECON 3(3,0)
International Macroeconomics: PR: ECO 3101 or ECO 3203 or ECO 3223. International macromarkets with review and analysis of current international macroeconomics, financial issues, policies and events. Occasional.

ECO 4751 BA-ECON 3(3,0)

ECO 4902 BA-ECON 1(1,0)
Capstone in Economics: PR: ECO 3101, ECO 3203, ECO 3411, Senior Standing, Economics Major. Students use critical thinking and written communication to integrate and apply material learned in economics courses to economics problem and policies. Graded S/U. Fall, Spring.

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. Graded S/U. Fall, Spring.

ECO 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 times. Occasional.

ECO 3006 BA-ECON 3(3,0)
Economics of Sports: PR: ECO 2023. Microeconomics is used to evaluate and analyze the business and practice of sports including the structure and conduct of sports leagues, revenue sharing and other forms of cooperation, labor markets and compensation for professional athletes, public financing of sport facilities, and sports in the not-for-profit sector. Fall.

ECO 3203 BA-ECON 3(3,0)
Labor Economics: PR: ECO 3101 or ECO 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.

ECO 3302 BA-ECON 3(3,0)

ECO 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.

ECO 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.

ECO 4530 BA-ECON 3(3,0)

ECO 4703 BA-ECON 3(3,0)

ECS 4013 BA-ECON 3(3,0)

ECT 3062 ED-CFCFS 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-CFCFS 3(3,0)

ECT 3367 ED-CFCFS 3(3,0)

ECT 3371 ED-CFCFS 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 involvement in VICA. Occasional.

ECT 4004 ED-CFCFS 3(3,0)

ECT 4184 ED-CFCFS 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 trainers analysis tasks. Spring.

ECT 4384 ED-CFCFS 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECT 4815</td>
<td>ED-CFCS</td>
<td>3(3,0)</td>
<td>Safety in the Technical Education Classroom and Laboratory: C.I. Federal regulations, safety practices, guidance, and support materials for technical trainers and teachers in school and industrial settings. Occasional.</td>
</tr>
<tr>
<td>ECW 3312</td>
<td>ED-CFCS</td>
<td>3(3,0)</td>
<td>Course Construction in Health Occupations Education: PR: C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction relevant to vocational education and industry training. Occasional.</td>
</tr>
<tr>
<td>ECW 3564</td>
<td>ED-CFCS</td>
<td>3(3,0)</td>
<td>Special Populations in Career &amp; 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.</td>
</tr>
<tr>
<td>ECW 5207</td>
<td>ED-CFCS</td>
<td>2-4(2-4,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ECW 5265</td>
<td>ED-CFCS</td>
<td>2-4(2-4,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ECW 5561</td>
<td>ED-CFCS</td>
<td>2-3(2-3)</td>
<td>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.</td>
</tr>
<tr>
<td>EDE 2280</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EDE 3942</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Internship I: PR: EDF 4410, RED 3012, RED 4519, MAE 3310, MAE 3311, TSL 4080, CR. MAE 4326, RED 4942, SCE 3010. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.</td>
</tr>
<tr>
<td>EDE 3942H</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EDE 4223</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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&amp;S fee $10.00.</td>
</tr>
<tr>
<td>EDE 4943</td>
<td>ED-TL&amp;L</td>
<td>7-12(0.35)</td>
<td>Internship II (Elementary): PR: EDE 3942. Student teaching in an elementary school under the supervision of a certified classroom teacher. Scheduled concurrent seminars. Graded S/U. Occasional.</td>
</tr>
<tr>
<td>EDE 4945</td>
<td>ED-TL&amp;L</td>
<td>1(1,0)</td>
<td>Internship II Seminars: PR: All required program courses; CR: EDE 4943 Internship II. Cullminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.</td>
</tr>
<tr>
<td>EDF 2005</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EDF 2007</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Introduction to Diversity for Educators: An introduction to cultural and their impact on education and teaching. Changes stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.</td>
</tr>
<tr>
<td>EDF 2130</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EDF 2250</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Classroom Management for Substitute Teachers: Instruction and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.</td>
</tr>
<tr>
<td>EDF 2510</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Education and Nation Building: American Historical Perspectives: An historical analysis of why education is a major building in the U.S. and elsewhere, including education's impact on current policies and issues. Occasional.</td>
</tr>
<tr>
<td>EDF 2720</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2005, EDF 2085, EME 2040, or C.I. The role of education in children's lives through the analysis of legal, ethical and safety concerns. Fall, Spring.</td>
</tr>
<tr>
<td>EDF 2801</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EDF 3120</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Fall.</td>
</tr>
<tr>
<td>EDF 3601</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EDF 4466</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Classroom Assessment &amp; 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.</td>
</tr>
<tr>
<td>EDF 4467H</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EDF 4603H</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Honors Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall.</td>
</tr>
<tr>
<td>EDF 5245</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. Occasional.</td>
</tr>
<tr>
<td>EDF 5607</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Language, Culture and Pedagogy: Impact and Applications: PR: C.I. Explores the issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.</td>
</tr>
<tr>
<td>EDG 1005C</td>
<td>ED-TL&amp;L</td>
<td>2-1(1)</td>
<td>Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.</td>
</tr>
<tr>
<td>EDG 2311</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Honors Strategies for Substitute Teachers: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Teaching Strategies and Classroom Management: PR EDF 2005, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.</td>
</tr>
<tr>
<td>EDG 4941</td>
<td>ED-TL&amp;L</td>
<td>1-8(0,1-8)</td>
<td>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.</td>
</tr>
<tr>
<td>EDG 4948</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>EDG 4954</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EDG 5356</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EDG 5745</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Teaching the Non-English Student: PR: C.I. Study of non-linguistic instruction in curriculum areas in English as a second language. Occasional.</td>
</tr>
<tr>
<td>EDG 5941</td>
<td>ED-TL&amp;L</td>
<td>2-8(0,11)</td>
<td>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.</td>
</tr>
<tr>
<td>EDF 2270</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>BLING Development in Learning: An examination of theory and research on adult learning and development with emphasis on practical applications, instruction, and technology use in educational and workplace settings. Fall, Spring.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

EDS 5356 ED-TL&L 3(2,1) Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of the Florida Educator Accomplished Practices. Fall, Spring.

ECC 2732 ED-TL&L 3(3,0) Health, Safety, 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-TL&L 3(3,0) Early Childhood Education: A survey of the field; philosophical and practical perspectives; careers in early childhood education; current issues and controversies in the field. Fall, Spring.

ECC 3214 ED-TL&L 3(3,0) Early Childhood Education Learning Environment: PR: Admission into the Early Childhood Education and Development Program (Track 3). ECC 3700, ECC 4661, RED 3310, and PET 4050C. A study of literature written for children ages birth through kindergarten, including an introduction to genres, authors and illustrators of children’s books. Spring.

ECC 3613 ED-TL&L 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 4211 ED-TL&L 3(3,0) Science and Math Learning for Young Children: PR: Admission into Early Childhood Development and Education Program (Track 3). ECC 4300, and ECC 4528. Methodologies for teaching and assessing young children in mathematics and science concepts and skills through an integrated developmentally appropriate program. Fall.

ECC 4230C ED-TL&L 3(2,1) Early Childhood Education Seminar: Bridging Theory to Practice: PR: TSL 4240, ECC 4268, ECE 3450 and completion of semester II in the junior year. Corequisites: MAE 4300, RED 4311, ECE 4304. Seminar course which combines coursework, research, and practical experience. Fall, Spring.

ECC 4260 ED-TL&L 3(3,0) Early Childhood Program Evaluation: PR: Admission into the Early Childhood Development and Education Program (Track 3). ECC 4300, and ECC 4528. Formal and informal evaluation techniques, methods and tools for implementing comprehensive evaluations of early childhood programs and policies and how they impact the program’s stakeholders. Fall.

ECC 4268 ED-TL&L 3(3,0) Curriculum Activities in Early Childhood: PR: Admission to Early Childhood Education Program. 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-TL&L 3(3,0) Planning 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, theater, visual arts, science, math, and literature. Occasional.

ECC 4314 ED-TL&L 3(3,0) Effective Practices for Guiding Young Children’s Behavior: PR: Admission into Early Childhood Development and Education Program (Track 3), ECC 4300, and ECC 4528. Techniques to guide behavior of young children emphasizing classroom management, routines, and pro-social skills. Spring.

ECC 4402 ED-TL&L 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-TL&L 3(3,0) Parent-Child Relations: PR: ECC 3700; ECC 4661; RED 3310; EEX 4751; LSN 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-TL&L 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-TL&L 3(3,0) Infant/Toddler Care and Education: Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.


ECC 4744 ED-TL&L 3(3,0) Child Life: Psychosocial Care of Children in Health Settings: PR: ECC 3700 or C.I. Course teaches Child Life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric health settings. Even Fall.

EEE 3307C ECS-Eecs 4(3,3) Electronics I: PR: EEL 3123C with a grade of “C” (2.0) or better. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee $15.00

EEE 3342C ECS-Eecs 3(2,3) Digital Systems: PR: MAC 2311C, MAC 2312, PHY 2048C, PHY 2049C all with a “C” (2.0) or better grade. Combinational and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and design with programmable logic devices. Fall, Spring. M&S fee $9.00

EEE 3350 ECS-Eecs 3(3,0) Semiconductor Devices I: PR: EEL 3004C with a grade of “C” (2.0) or better. Introduction to Logic Circuits; Bipolar, MOS and CMOS families; Flip-Flops and memory cells, comparators and timing circuits. AD and DA converters. Fall, Spring. M&S fee $20.00


EEE 4346C ECS-Eecs 2(3,3) Hardware Security and Trusted Circuit Design: PR: EEL 3801C with a grade of “C” (2.0) or better. Design, analysis and synthesis of sequential logic circuits and systems. Data path and controller design using hardware descriptive language. Case studies on hardware security. Spring.

EEE 4463 ECS-Eecs 3(3,0) MEMS Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, micromachining, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. Fall.
EEE 5265  ECS-EECS  3(3,0)  Biomedical Effects and Applications of Electromagnetic Energy:  PR: EEL 3470 or C.I. RF and microwave energy and their interaction with biological materials. Specific biomedical effects such as absorption, thermal therapy, hyperthermia, etc., will be discussed. Even Spring.

EEE 5272  ECS-EECS  3(3,0)  Biomedical Sensors:  PR: EEL 4750 or EEL 4407. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEE 5332C  ECS-EECS  2(1)  Thin Film Technology:  PR: EEE 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee $70.00.

EEE 5352C  ECS-EECS  3(2,3)  Semiconductor Material and Device Characterization:  PR: EEE 3300 or C.I. Semiconductor material characterization resistivity, mobility, doping carrier lifetime, device properties, threshold voltage, interface charge of MOS devices, optical and surface characterization of films. Odd Fall.

EEE 5353  ECS-EECS  3(3,0)  Semiconductor Device Design, Modeling and Simulation:  PR: EEE 3307C. Large signal and small signal model development for semiconductor devices, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5356C  ECS-EECS  4(3,3)  Fabrication of Solid-State Devices:  PR: EEE 3350. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and testing. Laboratory, device processing technology. Fall, Spring. M&S fee $70.00.


EEE 5378  ECS-EECS  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.

EEE 5390C  ECS-EECS  2(3,3)  Full-Custom VLSI Design:  PR: EEE 3307C and EEE 3340C with a grade of “C” (2.0) or better grade. Provide background in integrated devices, circuits, and digital subsystems needed for design and implementation of silicon logic chips. Occasional.


EEE 5542  ECS-EECS  3(3,0)  Random Processes I:  PR: EEL 3552C and STA 3032. Elements of probability theory, random variables, and stochastic processes. Fall, Spring.

EEE 5555  ECS-EECS  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.


EEE 5600C  ECS-EECS  3(3,0)  Electrical Networks:  PR: MAC 2311C, MAC 2312, MAC 2313, PHY 2040C, PHY 2040LC with all of “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.

EEE 5604C  ECS-EECS  3(3,2)  Honors Electrical Networks:  PR: Permission of Honors and MAC 2310, MAC 2312, MAC 2313, PHY 2040C, PHY 2040LC with all of “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.

EEE 5612  ECS-EECS  3(3,0)  Communication Systems:  PR: STA 3032, EEL 3552C and EEE 3307C. Information transmission, modulation, and noise; design of comparison systems in the presence of noise. Occasional.


EEE 5618  ECS-EECS  3(3,0)  Satellite Communications:  PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.


EEE 5635C  ECS-EECS  3(3,0)  Computer Control Systems:  PR: STA 3005. 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.

EEE 5660  ECS-EECS  3(3,0)  Robotic Systems:  PR: EGN 4006C or EEL 4742C or COP 3503C. Team based development of a robotic system incorporating concepts such as sensing, computer vision, machine learning, localization, mapping, manipulation and locomotion. Spring.

EEE 7472C  ECS-EECS  3(3,0)  Embedded Systems:  PR: EEL 3801C with a grade of “C” (2.0) or better. 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.

EEE 7475  ECS-EECS  3(3,0)  Digital Signal Processing Fundamentals:  PR: EEL 3552C with a grade of “C” (2.0) or better. Study of digital-time signals and systems, z-transform, DFT introduction to digital filter design. Fall, Spring.

EEE 7478  ECS-EECS  3(3,0)  Computer Architecture:  PR: EEL 3801C or CDA 3110C with a grade of “C” (2.0) or better. Computer system performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory, and RISC vs. CISC. Fall, Spring.

EEE 7481  ECS-EECS  3(3,0)  Communication Networks:  PR: EEL 3552C with a grade of “C” (2.0) or better and STA 3032. Network models. Media access protocols. Data link control. Routing and flow control. Internetworking. Current architectures and protocols. OSI, ethernet, token, ring, FDDI, HSLC, X.25, etc. Fall, Spring.

EEE 7483  ECS-EECS  3(3,0)  Hardware Description Languages in Digital Systems Design:  PR: EEE 3343C with a grade of “C” (2.0) or better. Hardware description languages, simulation and synthesis of RTL circuits and systems, design examples and projects. Occasional.

EEE 8417H  ECS-EECS  3(3,0)  Honors Current Topics in Machine Learning II:  PR: Consent of Honors and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.
UCF Courses and Descriptions

EEL 4818H ECS-EECS 3(3,0)
Honors Current Topics in Machine Learning
I: PR: Consent of Honors and EEL 3501 with a grade of "C" (2.0) or better or STA 3032 or C.I. Machine Learning and Applications. ART Neural Networks, Genetic Algorithms, Decision Trees, Evolutionary Hardware, Evolutionary Neural Networks, and Reinforcement Learning. Occasional.

EEL 4832 ECS-EECS 3(3,0)
Engineering Applications of Computer Methods: PR: EEL 3123G and EGN 3211 both with a grade of "C" (2.0) or better. 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-EECS 4(3,3)
Engineering Data Structures: PR: EEL 3501C with a grade of "C" (2.0) or better. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, and concepts of computation. Introduction to object-oriented structures. Occasional.

EEL 4872 ECS-EECS 3(3,0)
Engineering Applications of Intelligent Systems: PR: EEL 4851C or COP 3505C or equivalent or C.I. Knowledge and intelligence, predicate logic and automated theorem proving, artificial intelligence, expert systems, automated planning, introduction to machine learning, knowledge-based systems and philosophy of AI. Occasional.

EEL 4882 ECS-EECS 3(3,0)
Engineering Software Design: PR: EEL 4851C or C.I. Introduction to operating systems concepts and facilities for engineering applications, including multiprocessing, resource allocation and management, systems utilities, and operating system implementation. Fall, Spring.

EEL 4890 ECS-EECS 3(3,0)

EEL 4914 ECS-EECS 3(3,0)
Senior Design I: PR: EEE 3307C, EEL 4742C, and C.I. A capstone course in ECE, 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-EECS 3(0,3)
Senior Design II: PR: EEL 4914. Execution of electrical and computer 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-EECS 3(3,0)

EEL 5185 ECS-EECS 3(3,0)
System Identification: PR: EEL 3567 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 5245C ECS-EECS 3(2,1)
Power Electronics: PR: EEE 4308C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cyclo-converters, applications. Fall.

EEL 5291 ECS-EECS 3(3,0)
Distributed Control and Optimization for Smart Grid: PR: EEL 3657 and EEL 4216 or C.I. Electric power systems, transmission and distribution networks, voltage stability and VAR control, dispatched of distributed generation, optimization, frequency control, electricity markets and incentive controls. Odd Fall.

EEL 5432 ECS-EECS 3(3,0)
Satellite Remote Sensing: PR: EEL 3470 or EEL 4216 or EEL 4432. 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-EECS 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 5438C ECS-EECS 4(3,3)
RF and Microwave Communications: PR: EEL 4636C or equivalent. RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receivers, noise, frequency, familiarization with network and spectrum analyzers. Spring. M&S fee $40.00

EEL 5462C ECS-EECS 3(3,0)
Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipoles, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall.

EEL 5600 ECS-EECS 3(3,0)
Applied Control Systems: PR: EEL 3801C. 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 MAMS. Occasional.

EEL 5630 ECS-EECS 3(3,0)

EEL 5669 ECS-EECS 3(3,0)
Autonomous Robotic Systems: PR: EEL 3657 or C.I. Introduction to robotics, with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, sensor control, and cooperative rules and behaviors of robotic vehicles. Odd Fall.

EEL 5690 ECS-EECS 3(3,0)
Introduction to Medical Robotics and Tele-Operation: PR: EEL 3501 and Medical students in their second year or later. Medical robots for minimally invasive surgery, kinematic design, constrained workspace and dexterity, haptics, tele-operation and network based control, basics of laparoscopic surgery. Occasional.

EEL 5704 ECS-EECS 3(3,0)

EEL 5722C ECS-EECS 3(3,3)
Field-Programmable Gate Array (FPGA) Design: PR: EEE 3324 with a "C" (2.0) or better grade. FPGA architectures, technology, synthesis, design, place and route, and system-level verification. Even Fall.

EEL 5771C ECS-EECS 3(2,3)

EEL 5780 ECS-EECS 3(3,0)
Wireless Networks: PR: EEL 4816 or C.I. The wireless networking topics include: cellular networks, multiple access protocols, channel assignment and resource allocation, routing and load balancing, handoffs, roaming, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, CDMA, WCDMA.), Even Spring.

EEL 5820 ECS-EECS 3(3,0)
Image Processing: PR: MAP 3202, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques. Odd Spring.

EEL 5825 ECS-EECS 3(3,0)
Pattern Recognition: PR: EEL 3657 or C.I. Preliminaries of pattern recognition, Bayesian Decision Theory, linear discriminant functions, Neural Network approaches, decision tree classifiers, unsupervised learning techniques, clustering, non-parametric techniques, and other topics reflecting the state-of-the-art. Occasional.

EEL 5860 ECS-EECS 3(3,0)

EEL 5874 ECS-EECS 3(3,0)
Design Systems and Other Engineering: PR: EEL 4872 or CAP 4630 C.I. Introduction to expert systems in engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. Spring.

EEL 5875 ECS-EECS 3(3,0)
Software Engineering I: PR: COP 4313C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall, Spring.

EEL 5936 ECS-EECS 0(1,0)
Current Topics in EEEC: PR: Open to all ECE graduate students. Lectures presented by ECE and national lecturers will provide our students a broad view of the state of the art EE and CE fields. Graded S/U. Occasional.

EES 4111C ECS-CEECE 3(2,3)
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 $59.00

EES 4202C ECS-CEECE 3(3,3)
Chemical Process Control: PR: CHM 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 and flow and pollution problems. Fall, Spring.

EES 5318 ECS-CEECE 3(3,0)
Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of similarities between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. Occasional.

EEX 2758 ED-CFCS 3(0,3)
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 2900 ED-CFCS 3(3,0)
Exceptional Populations in Schools and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EEX 2758 ED-CFCS 3(2,0)
Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. Fall, Spring.

EEX 3221 ED-CFCS 3(3,0)
Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, and program evaluation. Fall, Spring.
EEX 3241 ED-CFCS 3(3,0)
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 ED-CFCS 3(3,1)

EEX 3450 ED-CFCS 3(3,0)
Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Spring.

EEX 3942 ED-CFCS 3(3,0)

EEX 4054 ED-CFCS 2(2,0)

EEX 4066 ED-CFCS 3(3,0)

EEX 4070 ED-CFCS 3(3,0)

EEX 4242 ED-CFCS 3(3,0)

EEX 4601 ED-CFCS 3(3,0)
Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. Fall, Spring.

EEX 4751 ED-CFCS 3(3,0)
Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child's education. Occasional.

EEX 4753 ED-CFCS 3(3,0)
Parent/professional Collaboration: The special educator's role in working with families, regular educators, and other professionals in a collaborative relationship. Fall, Spring.

EEX 4757 ED-CFCS 3(3,0)
Respite Care: PR: Senior Standing or C.I. General knowledge and best practice in the field of temporary care: the nature and needs of care givers and care recipients, including special populations. Occasional.

EEX 4763 ED-CFCS 3(3,0)
Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.

EEX 4943 ED-CFCS 12(0.35)
Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. Graded S/U. May be repeated for credit. Occasional.

EEX 5051 ED-CFCS 3(3,0)
Exceptional Children in the Schools: PR: Senior standing. An introduction to definitions, educational problems, and appropriate educational programs for the exceptional children in schools. Fall.

EEX 5702 ED-CFCS 3(3,0)
Planning Curriculum for Pre-Kindergarten Children with Disabilities: Focus on curriculum planning, developmentally appropriate practices, and implementation of individualized instruction for pre-kindergarten children with disabilities. Spring.

EEX 5750 ED-CFCS 3(3,0)
Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGM 3601 ECS-MEC/AERO 3(3,0)
Solid Mechanics: PR: EGN 3310 and "C" (2.0) or better in the following: MAC 2311C, MAC 2312, MAC 2313 and PHY 2048 CR: MAP 3202. Concepts of stress, strain, deflection, axial force, torsion, bending, combined stress, Mohr's circle, failure theories, design concepts, application to machines and vehicles. Fall, Spring.

EGM 3601H ECS-MEC/AERO 2(2,3)
Solid Mechanics: Lab PR: EGM 3601. Mechanics Laboratory experiments covering topics such as tension/compression testing, torsion testing, strain gauge measurements, buckling testing, beam bending/deflection testing. Fall, Spring. M$& 45.00

EGN 1007C ECS-ECS 1(1,2)
Engineering Concepts and Methods: PR: EGS 100BC and New student status or C.I. Introduction to the use of computer and applications software in solving engineering problems, introduction to the concepts of engineering design through the use of teams: engineering communication; engineering professionalism and ethics. Spring.

EGN 2520C ECS-EIMS 2(1,1)
LEAD Colloquium: PR: C.I., LEAD Scholars Program. Must have completed at least two of the following with a grade of "C" or better: IDS 1040C, GEB 1010C, EGS 1086C, EDG 1055C or HSC 1931C. Provides experiential leadership experience in an appropriate leadership setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. Occasional.

EEX 3211 ECS-ECECS 3(3,0)
Engineering Analysis and Computation: PR: MAC 2312 with a "C" (2.0) or better. Engineering analysis and computation with constructed structures. Subscribed variables, functions, input/output. Applications in embedded systems and examples in numerical methods. Fall, Spring.

EEX 3310 ECS-ECECS 3(3,0)
Engineering Economics-Statics: PR: MAC 2311C, PHY 2048C 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.

EEX 3310H ECS-ECECS 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.

EEX 3321 ECS-MEC/AERO 3(3,0)
Engineering Analysis-Dynamics: PR: EGN 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

EEX 3321H ECS-MEC/AERO 3(3,0)
Honors Engineering Analysis - Dynamics: PR: Permission of Honors and EGN 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. Occasional.

EEX 3331 ECS-CCE 3(3,0)
Mechanics of Materials: PR: EGN 3310 with a grade of "C" (2.0) or better; CR: MAC 2312. Concepts of stress, strain, deflection of axial force members, shafts in torsion, beams in flexure, combined stress, stability of columns, and design of simple elements. Fall, Spring.

EEX 3343 ECS-MEC/AERO 3(3,0)

EEX 3343H ECS-MEC/AERO 3(3,0)

EEX 3358 ECS-MEC/AERO 3(3,0)

EEX 3365 ECS-MEC/AERO 3(3,0)
Structure and Properties of Materials: PR: (CHS 1440 or CHM 2045C) and MAC 2312 with grades of "C" (2.0) or better in both; and consent of Honors. Atomic bonding; lattices; phonons; crystal structure; diffraction; defects; diffusion; phase equilibria and diagrams; transformations kinetics; mechanical, thermal, electrical, optical, and magnetic properties. With Honors content. Spring.

EEX 3365H ECS-MEC/AERO 3(3,0)
Honors Structure and Properties of Materials: PR: MAC 2312, and (CHS 1440 or CHM 2045C), with grades of "C" (2.0) or better in both; and consent of Honors content. Fall, Spring.

EEX 3373 ECS-ECECS 3(3.0)

EEX 3373H ECS-ECECS 3(3.0)

EEX 3420 ECS-ECECS 3(3,0)
Engineering Analysis: PR: EGN 3211, and MAC 2312 with a "C" (2.0) or better. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, integration and plotting. Occasional.

EEX 3613 ECS-EIMS 2(2,0)
Engineering Economic Analysis: PR: MAC 2311C with a grade of "C" (2.0) or better, not open to ECE Minor Engineering students. Economic evaluation of engineering alternatives and design. Time value of money and economic impact of taxes, risk, depreciation. Fall, Spring.

EEX 4060 ECS-MEC/AERO 3(2,3)
Introduction to Robotics: PR: COP 3223C or EGN 3321; and EEL 3567 or EEL 4742C or COP 3503C or EGE 3321 or EML 3217. Theory and application of robotics topics including: architecture, path planning, sensing and manipulation. Fall.
EGN 4641C ECS-ECS 3(2,2)
Engineering Entrepreneurship: PR: Senior standing, ENT 4163, 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, business people, experts, and a business school consultant, based on their own experiences. Occasional.

EGN 4931H ECS-ECS 3(3,0)
Honors Engineering Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the research community employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.

EGS 1006C ECS-ECS 1(1,2)
Introduction to the Engineering Profession: PR: New students status or C.I. Overview of academic and professional requirements in various engineering disciplines. Fall.

EGS 1036C ECS-EMS 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Engineering & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EGS 3030 ECS-ECS 0(2,0)
Leadership in Engineering I: PR: Junior standing in a CECS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded SU. Fall, Spring.

EGS 3031 ECS-ECS 0(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. Spring.

EGS 4624 ECS-EMS 3(3,0)
Engineering Innovation and Leadership: PR: Senior standing. A broad range of topics including corporate organization structures, individual and team leadership, and techniques to enhance innovation and creativity. Spring.

EGS 4710 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.

EGS 4950 ECS-ECS 3(3,0)
Engineering Leadership Capstone: PR: Enrollment in Engineering or Computer Science Minor or Certificate. CR: approved design course in Engineering or Computer Science. Students will reflect upon and define their professional approach. Students will develop their professional portfolio, conduct internships, and individual strategic plan. Fall, Spring.

EIN 2002 ECS-EMS 1(1,0)
Introduction to Industrial Engineering and Management Systems: PR: MAC 2311C with a grade of "C" (2.0) or better and sophomore standing. Introduction to the profession of Industrial Engineering and important skills necessary for success. Course includes presentations by local IE professionals. Fall.

EIN 3314 ECS-EMS 3(3,0)
Work Analysis and Design: PR: STA 3032 with a grade of "C" (2.0) or better. 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-EMS 3(3,0)
Engineering Economic Analysis and Cost Engineering: PR: EIN 3311C with a grade of "C" (2.0) or better. Knowledge and understanding of economic evaluation of engineering and management alternatives, cost analysis, budgeting and estimating techniques. Spring.

EIN 3354 ECS-EMS 3(3,0)
Principles of Cost Engineering: PR: EGN 3513. 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-EMS 2(2,2)
Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (from interpersonal to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-EMS 2(2,2)
Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.

EIN 4214 ECS-EMS 3(3,0)
Safety Engineering and Administration: Analysis of accidents in the industrial operating environment. Application of fault tree analysis (FTA) and OSHA requirements. Consideration of accident costs and organizational aspects of accident prevention. Occasional.

EIN 4243C ECS-EMS 3(2,2)
Human Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Human/machine systems; design and conduct of human engineering studies. Spring.

EIN 4333 ECS-EMS 3(3,0)
Production and Distribution Systems: PR: ESI 3121 with a grade of "C" (2.0) or better. 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-EMS 3(3,0)
Facilities Planning: PR: EIN 3314 with a grade of "C" (2.0) or better; PR: or CR: EIN 3351. Planning and design of production systems including interrelationships between process layout, material handling, warehousing and site selection. Spring.

EIN 4391 ECS-EMS 3(3,0)
Manufacturing Engineering: PR: Grade of "C" (2.0) or better in any of the following courses OPTIONS: CHM 2314 or CHM 2341, and C.I. Junior standing. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring.

EIN 4517 ECS-EMS 3(3,0)
Systems Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Fundamental principles of systems engineering and their application to the development of industrial complex systems. Fall.

EIN 4545 ECS-EMS 3(3,0)
Industrial Engineering Applications in The Service Industry: PR: EIN 3311C with a grade of "C" (2.0) or better. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.

EIN 4891C ECS-EMS 4(2,4)
Industrial Engineering Senior Design Project: PR: EIN 4364 and ESI 4523 both with grades of "C" (2.0) or better and department consent. Capstone design course; application of IEMS techniques to real-world design applications. Fall, Spring.

EIN 5018 ECS-EMS 3(3,0)
The Environment of Technical Organizations: PR: Graduate status or C.I. EGS 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5108 ECS-EMS 3(3,0)
Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5117 ECS-EMS 3(3,0)

EIN 5140 ECS-EMS 3(3,0)
Project Engineering: PR: Graduate standing or C.I. Role of engineers in project management with emphasis on project life cycle, cost estimates, and qualitative methods of cost, schedule, and performance control. Fall, Spring.

EIN 5248C ECS-EMS 3(2,2)
Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall.

EIN 5251 ECS-EMS 3(3,0)
Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and standardized evaluation; techniques, query techniques; laboratory techniques; and field study approaches. Spring.

EIN 5255C ECS-EMS 3(2,2)
Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics related to the development and use of simulators for knowledge transfer in the technical environment. Fall.

EIN 5317 ECS-EMS 3(3,0)
Training System Design: PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. Occasional.

EIN 5346 ECS-EMS 3(3,0)
Engineering Logistics: PR: ESI 5306 or ESI 4312. Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356 ECS-EMS 3(3,0)
Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Occasional.

EIN 5392C ECS-EMS 3(2,2)

EMA 3000 ECS-MSE 3(3,0)

EMA 3012C ECS-MSE 3(2,2)
Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGM 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall, Spring. M&S fee $45.00.

EMA 3124 ECS-MSE 3(3,0)
Design and Selection of Materials: PR: EGM 3601, and EGN 3365 or EMA 3706. Relationship between properties and structure of various engineering materials and their selection in engineering design. Fall.

EMA 3691 ECS-MSE 3(3,0)
Nonmetallics Processing: PR: EGS 1440 or CHM 2045C, and PH 2048 or PF 2053C and EGN 3365. Nanomaterials, processing, nanomanufacturing, nanocompositions, nanocomposites and computations of devices. Occasional.

EMA 3706 ECS-MECH/AERO 3(3,0)
Structure and Properties of Aerospace Materials: PR: (CHS 1440 or CHM 2045C) and MAC 2311C with a grade of "C" (2.0) or better in both. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design Fall, Spring.

EMA 4102 ECS-MSE 3(3,0)
Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3365 or EMA 3706; and a "C" (2.0) or better in all of the following: CHS 1440 or CHM 2045C, MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of first and second law of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.

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EM4223  ECS-MSE  3(3,0)

EM4413  ECS-MECH/AERO  3(3,0)

EM4501C  ECS-MSE  3(2,2)

EM4503  ECS-MSE  3(3,0)

EM4506  ECS-MSE  3(3,0)
Emerging Materials: PR: EGN 3365, or EMA 3706. Structures with properties and processing of modern emerging materials Occasional.

EM5060  ECS-MSE  3(3,0)

EM5104  ECS-MSE  3(3,0)

EM5106  ECS-MSE  3(3,0)

EM5108  ECS-MSE  3(3,0)
Surface Science: PR: PHY 2049C and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopics utilizing electron, ion and photon probes. Occasional.

EM5140  ECS-MSE  3(3,0)
Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.

EM5317  ECS-MSE  3(3,0)

EM5326  ECS-MSE  3(3,0)

EM5415  ECS-MSE  3(3,0)
Electronic Principles of Materials Properties: PR: EGN 3365 or C.I. This course will cover electron theory and band structure, electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including defect phenomena. Fall.

EM5480  ECS-MSE  3(2,2)
Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EM5505  ECS-MSE  3(2,2)

EM5584  ECS-MSE  3(3,0)

EM5585  ECS-MSE  3(3,0)
Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processes with the structure and properties of the materials deposited. Odd Fall.

EM5586  ECS-MSE  3(3,0)
Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties basic to photovoltaic, structures, homojunction, heterojunction, and surface barrier solar cells, AM0D-1 modeling of c-Si, GaAs basic and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.

EM5587  ECS-MSE  3(3,0)

EM5588  ECS-MSE  3(3,0)
Biodegradability of Materials: PR: EGN 3365 or C.I. Biocompatibility and biodegradability, cell/microbiological interactions, engineering bone and cartilage, soft-tissue replacements, total hip replacements, nanobiomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.

EM5610  ECS-MSE  3(3,0)
Laser Materials Processing: PR: EGN 3343 or EMA 5106 or C.I. Laser beam optics; laser-material interactions; laser heating, melting, vaporization, Plasma formation; laser surface treatment, welding, machining; laser material synthesis. Thin film deposition, crystal growth. Occasional.

EM5705  ECS-MSE  3(3,0)
High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, and land-based gas turbine requirements. Occasional.

EM6200  ED-TDL  1(1,0)
Teaching and Learning with Technology: PR: Acceptance into Ed Media Program or C.I. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. Occasional.

EM6301C  ECS-ME/CH/AERO  1(1,2)

EM6304C  ECS-ME/CH/AERO  3(3,1)
Modeling Methods in Mechanical and Aerospace Engineering: PR: C.I. (2.0) or better in all of the following prerequisites: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048C. CR: EML 3217 and EAS 3090 or EM 3106 or EAS 3090 or EAS 3106. Study of computer aided modeling of mechanical and aerospace systems. Solution methods. Curve fitting. Numerical calculus and solution of differential equations with applications to mechanical and aerospace engineering. Fall, Spring.

EM6311C  ECS-ME/CH/AERO  3(3,0)
Thermodynamics of Mechanical Systems: PR: EGN 3343 and a C.I. (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Applied thermodynamics, availability analysis, thermodynamics of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems. Spring.

EM6321C  ECS-ME/CH/AERO  3(3,0)
Engineering Mechanics - Dynamics: PR: MAC 2313 with a grade of C.I. (2.0) or better, EGN 3310; CR: MAP 2302. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum, introduction to kinematics of mechanisms, introduction to 3D rigid body dynamics; central force. Fall, Spring.

EM6327C  ECS-ME/CH/AERO  3(3,0)
Kinematics of Mechanisms: PR: EGN 3321 and a C.I. (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.

EM6330C  ECS-ME/CH/AERO  3(2,3)

EM6500  ECS-ME/CH/AERO  3(3,0)

EM6701C  ECS-ME/CH/AERO  3(3,0)
Fluid Mechanics I: PR: EML 3217, EGN 3343 and a C.I. (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048C. Properties of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.

EM6990  ECS-ME/CH/AERO  0(0,0)

EM6900  ECS-ME/CH/AERO  3(3,0)


EML 4221C ECS-MECH/AERO 2(1,2) Mechanical Systems Experimental Techniques: PR: EML 3303C or EAS 3800C; CR: EML 3262 or EAS 4200. Provides a teaching/laboratory of dynamic vibration and modal analysis testing theory and using modern instrumentation and software tools to develop competence in designing and conducting tests, analysis and interpreting engineering data. Occasional. M&S fee $35.00

EML 4225 ECS-MECH/AERO 3(3.0) Introduction to Vibration and Controls: PR: EML 3217, EGM 3601, EML 3034C, EGN 3373. Undamped and damped vibration of mechanical systems with single and two degrees of freedom; forced vibration; concepts of feedback controls; classical proportional, derivative and integral (PID) feedback controls and root locus. Fall. Spring.


EML 4312C ECS-MECH/AERO 3(2.3) Feedback Control: PR: EGN 3321, MAP 2302, EGN 3373 and EML 4200 or EAS 4210. 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(0.0) Intermediate System Dynamics and Controls: PR: EML 3217, MAP 2302, EGN 3373 and EML 4225. Free and forced vibration analysis of mechanical systems with multiple degrees of freedom; normal modes and modal analysis; system concepts, stability criteria, role of uncertainty in feedback and frequency domain control design. Fall.

EML 4411 ECS-MECH/AERO 3(0.0) Mechanical Power Systems: PR: EML 3034C. Analysis and design of large power generating systems and components, with emphasis on power plants utilizing both chemical and nuclear fuels. Occasional.

EML 4454 ECS-MECH/AERO 3(3.0) Turbines for Sustainable Power: PR: EML 3601, EGA 3385 or EMA 3706, EML 3701 or EAS 3101; CR: EML 4142. Turbine design process of power generation using aerodynamics to combustion and emissions to reliability; covers multiple applications of conventional and green technologies. Fall.

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 project. Aerospace, mechanical, thermo-fluid, or material problems are considered. Fall. Spring.

EML 4520C ECS-MECH/AERO 3(1.6) Introduction to Mechanical Engineering: PR: EML 4501C, EML 4991. Introduction to the principles of component analysis to the design of mechanisms. Occasional.


EML 4550E ECS-MECH/AERO 3(3.0) Applications of HVAC systems design with emphasis on in-house software. Fall. Spring.

EML 4560 ECS-MECH/AERO 3(3.0) HVAC Systems Engineering: PR: EGN 3343. Heating, ventilation, air-conditioning, and refrigeration principles and systems design. Psychrometrics, heating and cooling loads, equipment and components, and distribution systems. Fall.

EML 4600 ECS-MECH/AERO 2(1,3) Fluid Mechanics I: 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 3303C; and (EML 4220 and EML 4312C) or (EML 4225 and EML 4313). Discrete micromotor controller of mechatronic systems and mechanical 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 Engineering and Academic Faculties Advising II: PR: EML 3900 or 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: EGN 3321, CR: EML 3900 or EML 4220. 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: EML 3003C. Application of conventional and green technologies. Fall.


EML 5090 ECS-MECH/AERO 0(0.0) Mechanical and Aerospace Seminar: PR: Graduate standing or C.J. 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.


EML 5291 ECS-MECH/AERO 3(3,0) MEMS Materials: PR: EML 5060, EML 6211, or C.I. Understanding the properties 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 Fall.

EML 5202 ECS-MECH/AERO 3(3,0) Fundamental Phenomena 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 4322C, CR: EML 5090 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 5403C ECS-MECH/AERO 3(2,3) Design for Manufacturing in Turbomachinery: Gas/steam, Gas Turbines: PR: EGN 3365, EMA 3706. Overall assembly of rotating and stationary components in power generation powertrains; probabilistic design, materials, coatings, manufacturing, stress, and flight tests for gassteam/steam turbines and generators. Fall.

EML 5431C ECS-MECH/AERO 3(2,3) Design for Mechanical & Dynamic Integrity and Reliability in Turbomachinery: PR: EGM 3301, 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-offs. Design, Specification, Testing. Fall.

EML 5456 ECS-MECH/AERO 3(3,0) Turbines for Sustainable Power: PR: EGM 3301 (EGN 3365 or EMA 3706), (EML 3701 or EAS 3101); CR: EML 4142. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions; covers multiple applications of modern and green technology. Fall.

EML 5532C ECS-MECH/AERO 3(2,3) Computer-Aided Design for Manufacture: PR: EGN 4530C. Builds on introductory material covered in EML 4530C. Topics include computer modeling for the synthesis, simulation, design and manufacture of mechanical, thermal, and aerospace systems. Occasional. M&S fee $15.00.


EML 5587C ECS-MECH/AERO 3(2,3) Mechanics of Biostructures I: PR: Graduate standing or better in EML 5590. 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 5590. 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 5761C ECS-MECH/AERO 3(3,0) Applied and Computational Biofluids: PR: EML 4304C, EML 4703. Principles and foundations of applied fluid mechanics and computational methods to the human circulatory system. In addition to case studies, the course provides laboratory experiences in bioengineering with application to biofluid mechanics. Odd Spring.

ENC 1101 CAH-WRITE 3(3,0) Composition I: FW: PR: Grade of “C” (2.0) or better in ENC 1101H with a grade of “C-” or better required in ENC 1102. Essay 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 1101H CAH-WRITE 3(3,0) Honors Freshman Composition I: FW: PR: Grade of “C” (2.0) or better in ENC 1101H with a grade of “C-” or better required in ENC 1102. Essay 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 3311 CAH-WRITE 3(3,0) Essay as Cultural Commentary: PR: Grade of “C” (2.0) or better in ENC 1102 or equivalent in C.I. Study and practice of research, writing, and rhetorical skills that enable successful (inter)disciplinary writing in and across the university. Fall, Spring.

ENC 3315 CAH-WRITE 3(3,0) Argumentative Writing: PR: Grade of “C” (2.0) or better in ENC 1102 or equivalent in C.I. Study and practice of research, writing, and rhetorical skills that enable successful (inter)disciplinary writing in and across the university. Fall, Spring.

ENC 3330 CAH-WRITE 3(3,0) Rhetorical Traditions: PR: Grade of “C” (2.0) or better in ENC 1102. Study and practice of rhetoric, 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: Consent of Honors. Examiners 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 in ENC 1102. Examiners professional work, 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 individual and communities. Occasional.

ENC 3375 CAH-WRITE 3(3,0)
Rhetoric in Popular Culture: PR: Grade of "C" (2.0) or better in ENC 1102 or C.J. 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 or C.J. Study and practice of multimedia writing (including sound, visual, and interactive 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.

ENC 3454 CAH-WRITE 3(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(3,0)
Writing about Science and Technology: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Writing scientific and technological research and developments for non-scientific audiences (including novices and policymakers). Occasional.

ENC 3455H CAH-WRITE 3(3,0)
Honors Writing About Science and Technology: PR: Consent of Honors. Writing about scientific and technological research and issues for non-scientific audiences, including laypeople and policymakers. With Honors consent. Occasional.

ENC 3456H CAH-WRITE 3(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 consent. Occasional.

ENC 3473 CAH-WRITE 3(3,0)
Writing in Disciplinary Cultures: PR: Grade of "C" (2.0) or better required in ENC 1102. Project-based study of writing (including genres, conventions, and arguments) in disciplines across the university. Occasional.

ENC 3502 CAH-WRITE 3(3,0)
Researching Writing and Literacy: PR: Grade of "C" (2.0) or better required in ENC 1102. An in-depth study of and practice with a specific issue related to language theory and/or the teaching of writing. Occasional.

ENC 3503 CAH-WRITE 3(3,0)
Topics in Writing & Literacy Studies: PR: Grade of "C" (2.0) or better in ENC 1102. An in-depth study of and practice with a specific issue related to language theory and/or the teaching of writing. Occasional.

ENC 3521 CAH-WRITE 3(3,0)
Writing Across Difference: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines cultural influences on language and literary practices, with emphasis on applications for writing teachers. Occasional.
Air Pollution Control:
ENV 4120 ECS-CECE 3(3,0)
Water Treatment: PR: EES 4202c or ENV 5517 or C.I. Potable water regulations, standards, chemicals, reactor, oxidation, disinfection, treatment of waste, ultraviolet irradiation. Internal corrosion and microbial control in municipal and industrial water distribution systems. Odd Spring.

ENV 5505 ECS-CECE 3(3,0)

ENV 5517 ECS-CECE 3(3,0)
Engineering Consultation and Biological Processes: CR: ENV 4561 (or equivalent) or C.I. Coverage of equilibrium/aquatic chemistry, softening and coagulation, and disinfection of water. Microbiology and biochemistry as applied to activated sludge system design. Fall.

ENV 5636 ECS-CECE 3(3,0)
Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with an emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. Occasional.

ENV 4004C COS-BIOL 4(2,6)
General Entomology: PR: A “C” (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Biology of insects: identification, taxonomy, physiology, behavior, and ecology. Occasional. M&S fee $35.00

ENV 5006C COS-BIOL 4(2,6)
Entomology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Morphology, physiology, ontogeny, behavior, ecology and population biology of insects. Occasional. M&S fee $40.00

EPD 5395 ED-CFC 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.

ESI 5906 ECS-IEMS 3(3,0)
Risk Assessment and Management: PR: ESI 5236 or C.I. Risk assessment and decision-making. Topics include: failure analysis, dependency, and failure assessments. Fall.

ESI 5399 ECS-IEMS 3(3,0)
Reliability Engineering: PR: ESI 4324 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure analysis, insurance, and risk assessment and management. Fall.

ESI 5419C ECS-IEMS 3(3,0)
Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5336. Covers course linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Fall.

ESI 5531 ECS-IEMS 3(3,0)
Genetic Algorithms: PR: ESI 5419C or equivalent. Focuses on genetic algorithms and their applications. Fall.

ESE 3940 EDE 3-16(0,3-16)

ESE 4942 EDE 3-16(0,3-16)

ESE 4943 EDE 3-16(0,3-16)

ESE 5214 EDE 3-16(0,3-16)

ESI 4221 ECS-IEMS 3(3,0)
Empirical Methods for Industrial Engineering: PR: STA 3032 with a grade of “C” (2.0) or better. Application of empirical methods for industrial engineering problem solving. Fall.

ESI 4234 ECS-IEMS 3(3,0)
Quality Engineering: PR: STA 3032 with a grade of “C” (2.0) or better. 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 with grades of “C” (2.0) or better in both. Introduction to non-linear, and dynamic programming. Decision analysis, random processes, and queueing. Course covers theory through application and implementation of results. Fall.

ESI 4523 ECS-IEMS 3(3,0)
Simulation: PR: STA 3032 with a grade of “C” (2.0) or better. Methods and procedures for simulating large-scale systems with digital computers. High level simulation languages are used. Spring.

ESI 4628 ECS-IEMS 3(3,0)
Decision Support Systems for Industrial Engineers: PR: STA 3032 with a grade of “C” (2.0) or better and COP 3223 (or any other high level computer programming). Development of complete spreadsheet-based decision support system applications for analyzing and modeling real-world “E” problems. Fall.

ESI 5219 ECS-IEMS 3(3,0)
Reliability Engineering: PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure analysis, insurance, and risk assessment and management. 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, queueing 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(3,0)
Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5336. Covers course linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Fall.

ESI 5550 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 3116 ECS-ECS 3(3,0)

ETI 3671 ECS-ECS 3(3,0)

ETI 4186 ECS-ECS 3(3,0)
Applied Reliability: PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production, and logistics phases of systems and system components. Odd Spring.
ETI 4448 ECS-ECS 3(3,0)
Applied Project Management: PR: Junior Standing; Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. Fall.

ETI 4640 ECS-ECS 3(3,0)
Operations Management for Technologists: PR: ETI 4601. Scheduling and resource allocation methods. Techniques are presented. Time Study Methods, Work Sampling and MDM are covered. Fall.

EIH 2000 CAH-HIST 3(3,0)
Western Civilization I: A survey of western civilization from ancient to 1648. Fall, Spring.

EIH 2000H CAH-HIST 3(3,0)

EIH 2001 CAH-HIST 3(3,0)
Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EIH 2000. Fall, Spring.

EIH 2001H CAH-HIST 3(3,0)

EIH 3122 CAH-HIST 3(3,0)

EIH 3124 CAH-HIST 3(3,0)
The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of "just war" and jihad. Even Spring.

EIH 3142 CAH-HIST 3(3,0)
Renaissance and Reformation: PR: EUH 2000 and EUH 2001 or C.I. Influence of Renaissance humanism on art, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years War. Occasional.

EIH 3180 CAH-HIST 3(3,0)
Sorcerers, Saints and Heretics: Religion in the Medieval World: PR: EUH 2000 or C.I. Examines the mixture of superstition, paganism, heresies, Jewish and Muslim communities and the rising Catholic Church that formed religious life and shaped society and culture in Medieval Europe. Occasional.

EIH 3235 CAH-HIST 3(3,0)
Romanticism and Realism: PR: EUH 2000 and EUH 2001 or C.I. Napoleon and nationalism; new ideas; preservation; liberalism, romanticism, republicanism and socialism; urbanization; technology and mass culture, religious decline; Realpolitik; racism, imperialism, and militarism. Occasional.

EIH 3242 CAH-HIST 3(3,0)
Modern Europe and the First World War: A survey of the impacts of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and warfare. Occasional.

EIH 3281 CAH-HIST 3(3,0)
Second World War and Rebirth of Europe: PR: EUH 2000 and EUH 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.

EIH 3411 CAH-HIST 3(3,0)

EIH 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-World War II era. Occasional.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
</table>
| EUH 5546 | CAH-HIST | 3(3,0) | Graduate status or senior standing or C.I. Selected topics in British history.
| EUH 5579 | CAH-HIST | 3(3,0) | Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present.
| EUH 5595 | CAH-HIST | 3(3,0) | Graduate status or senior standing or C.I. Selected topics in the literature of Russia under the Czars prior to 1917.
| EUH 5905 | CAH-HIST | 3(3,0) | Graduate status or senior standing with C.I. An overview of European Imperialism.
| EUH 5925 | CAH-HIST | 3(3,0) | Graduate status or senior standing or C.I. Readings in selected topics in the history of European Imperialism.
| EVR 1001 | COS-BIOL | 3(3,0) | Introduction to Environmental Science: Environmental science and environmental systems in the context of real places, real people, real problems and real data.
| EXP 3250 | COS-PSYCH | 3(3,0) | Principles of Human Factors Psychology: PSY 2012. The study of human performance in human-machine-environment systems. Topics will include human factors psychology in the design of displays and controls, human information processing, and the effects of some environmental variables on human performance.
| EXP 3640 | COS-PSYCH | 3(3,0) | Psychology of Language: PSY 2012. Psychological principles involved in the communicative process, with application to individuals and groups.
| EXP 4507C | COS-PSYCH | 3(1,4) | Advanced Human Memory and Cognition: PSY 3212C, EXP 3604C. In-depth coverage of experimental research on human memory and cognition.
| EXP 5208 | COS-PSYCH | 3(3,0) | Sensation and Perception: PSY 2012. Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena.
| EXP 5254 | COS-PSYCH | 3(3,0) | Human Factors and Aging: PSY 2012. Post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elders through the implementation of basic human factors principles in environmental and task design.
| EXP 5256 | COS-PSYCH | 3(3,0) | Human Factors I: PSY 2012. Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems.
| FIL 1000 | CAH-SVAD | 3(3,0) | Film Survey: Introductory course that focuses on different approaches to studying cinema.
| FIL 1000H | CAH-SVAD | 3(3,0) | Honors Film Survey: Permission of Honors. Introductory course that focuses on different approaches to studying cinema.
| FIL 1007 | CAH-SVAD | 3(3,0) | Foundations of Cinema: PSY 2012. 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.
| FIL 1017 | CAH-SVAD | 3(3,0) | Film History of Hollywood: The history of Hollywood pictures as art and industry.
| FIL 1020 | CAH-SVAD | 3(2,2) | History of Motion Pictures: The history of motion pictures as art and industry.
| FIL 2107 | CAH-SVAD | 3(3,0) | Script Analysis: PR: CR-ENC 1101 and FIL 1007.
| FIL 2423 | CAH-SVAD | 3(3,0) | Foundations of Production: PSY 2012. 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.
| FIL 2461 | CAH-SVAD | 3(3,0) | Cinematography I: FIL 2552 and FIL 2480.
| FIL 2480 | CAH-SVAD | 3(3,0) | Directing for Film I: FIL 1007, FIL 1008, and FIL 3427C.
| FIL 2481 | CAH-SVAD | 3(3,0) | Directing the Actor for Film I: FIL 2480.
| FIL 2552 | CAH-SVAD | 3(3,0) | Editing I: FIL 1008 and FIL 3427C. Non-linear editing systems.
| FIL 3006 | CAH-SVAD | 3(3,0) | Art of the Cinema: FIL 2030. An analysis of basic elements of cinematic style including direction, editing, cinematography, art direction and sound.
| FIL 3035C | CAH-SVAD | 3(3,1) | Film Histories II: FIL 2030. Surveys and questions historical approaches to film and seeks to open up the field of historical enquiry to a variety of views.
| FIL 3036 | CAH-SVAD | 3(3,0) | Film History I: FIL 2030, FIL 2107, and FIL BFA.
| FIL 3037 | CAH-SVAD | 3(3,0) | Film History II: FIL 2030, FIL 2107 and FIL BFA.
| FIL 3041 | CAH-SVAD | 3(3,0) | History of Animated Films I: FIL 3035C.
| FIL 3051 | CAH-SVAD | 3(3,0) | Avant-Garde Cinema: PR: Junior standing or C.I. History and aesthetics of Avant-Garde Cinema with an emphasis on post WWI North American films and Buckminster Fuller.
| FIL 3070C | CAH-SVAD | 3(3,1) | Cinema in the 1920s: FIL 3035C.
| FIL 3071C | CAH-SVAD | 3(3,1) | Cinema in the 1930s: FIL 3035C.
| FIL 3072C | CAH-SVAD | 3(3,1) | Cinema in the 1940s and 1950s: FIL 3035C.
| FIL 3074C | CAH-SVAD | 3(3,0) | Cinema in the 1980s to the Present: FIL 3035C.
| FIL 3075C | CAH-SVAD | 3(3,1) | Film and Modernism I: FIL 3035C.
| FIL 3076C | CAH-SVAD | 3(3,1) | Film and Modernism II: FIL 3035C.
| FIL 3102 | CAH-SVAD | 3(3,0) | Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007.
| FIL 3115 | CAH-SVAD | 3(3,0) | Short Script I: FIL 2107 and FIL BFA or Cinema Studies major, or C.I. Rudiments of writing the short script.
| FIL 3132 | CAH-SVAD | 3(3,0) | Short Script II: FIL 3115 and FIL BFA or World Cinema major, or C.I. Advanced writing of short scripts in preparation for Capstone 1 and 2 courses.
| FIL 3304C | CAH-SVAD | 3(3,1) | Documentary Vision: FIL 3303C.
| FIL 3307 | CAH-SVAD | 3(3,0) | Docudrama: FIL 2107 and FIL BFA.
| FIL 3363C | CAH-SVAD | 3(3,1) | Film Documentary: FIL 2030 and FIL BFA.

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**UNIVERSITY OF CENTRAL FLORIDA**

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FIL 3427C CAH-SVAD 3(2,4) Introduction to Film Production: PR: or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. Fall.

FIL 3455C CAH-SVAD 6(2,4) Film Landscapes: Story, Image and Production Design: PR: FIL 2423 or FIL 3427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. Occasional.

FIL 3462C CAH-SVAD 3(3,0) Film Production: PR: FIL 3035C. Study of the different traditions and forms of acting in film. Occasional.

FIL 3534 CAH-SVAD 3(3,0) Source Design for Film I: PR: FIL 3427C and Film BFA or C.I. Technical and aesthetic aspects of production and post-production sound recording, editing, and mixing for film. Fall.

FIL 3720C CAH-SVAD 3(2,4) Introduction to Animation: PR: DIG 3951 and declared Experimental Animation specialization, or FIL 3795 and declared Experimental Animation specialization, or a minimum grade of "B" (3.0) in DIG 4713 and declared Game Design specialization. Introductory computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Fall, Spring.

FIL 3734C CAH-SVAD 3(2,4) Animation Film History for Non Film Majors: PR: FIL 3035C. Evolution of animation since World War II. The process of adaptation and its impact on film and the culture. May be repeated for credit. Fall, Spring.

FIL 3803C CAH-SVAD 3(3,1) Film Theory and Criticism I: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War period. Fall.

FIL 3804C CAH-SVAD 3(3,1) Film Theory and Criticism II: PR: FIL 2107 and Film BFA or Cinema Studies major. Major film theories from Second World War period to present. Spring.

FIL 3812C CAH-SVAD 3(3,0) Film Theories and Practices: PR: PHIL 2010. Concentration on the film theories of film-makers in relation to their own work and to the cinema generally. Spring.

FIL 3820 CAH-LANG 3(3,0) Italian Film: This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form with the director playing the key role. Films by most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view. Occasional.

FIL 3822 CAH-LANG 3(3,0) French Film: The study of French cinema as an art form and the key role of the director. Films are analyzed from structural, social, economical, and historical perspectives with attention to their relationship with French literature. Taught in English. Occasional.

FIL 3823 CAH-LANG 3(3,0) German Film: PR: C.I. Exploration of the form and 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-LANG 3(3,0) Italian Neo-Realist Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Occasional.

FIL 3826 CAH-LANG 3(3,0) American Cinema: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures, films and forums designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. Spring.


FIL 3841 CAH-LANG 3(3,0) French New Wave Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the French cinema, emphasizing the work of Renoir, Bresson, Godard, Rohmer, Resnais, and Rivette. Occasional.

FIL 3842 CAH-LANG 3(3,0) International Cinema: PR: or CR: FIL 3036 or FIL 3037, and Film BFA or Cinema Studies major. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. Occasional.

FIL 3845 CAH-LANG 3(3,0) World Cinema Traditions: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. The relationship among film, history, and culture in selected Asian, African, Latin American, and Middle Eastern countries. Fall, Spring.

FIL 3847 CAH-LANG 3(3,0) Latin American Cinema: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

FIL 3850 CAH-LANG 3(3,0) Cinema Directors: PR: FIL 3030C 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-LANG 3(3,0) Cinema Criticism Writing: PR: FIL 3036 or FIL 3037 and ENC 1102, FIL 2030, FIL 3030C. Modes of cinema criticism. Occasional.

FIL 3860C CAH-LANG 3(1,1) The Shot, Framing, Point of View: PR: FIL 3035C. Approaches to the shot, framing and point of view. Occasional.


FIL 3862C CAH-LANG 3(3,1) Narrative Structures in Film: PR: LIT 2110 and LIT 2120. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.


FIL 3871 CAH-SVAD 3(3,0) The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaker's style, vision and work; 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-SVAD 3(3,1) Experimental Cinema: 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-SVAD 3(3,1) Experimental Cinema II: PR: FIL 3076C. On specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film related to treatments of reality and the perception of light. Spring.

FIL 3878C CAH-SVAD 3(3,1) Color and Lighting in Cinema: PR: FIL 3035C. Focus on light and color primarily in film but also painting, sculpture, photography and theatre. Occasional.

FIL 3880C CAH-SVAD 3(3,1) Images of Women in Film: PR: FIL 2030. Images of women in film and how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. Fall, Spring.

FIL 3922 CAH-SVAD 1(1,1) Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. Fall, Spring.

FIL 4040 CAH-SVAD 3(3,0) Animation Film History for Non Film Majors: PR: FIL 3035C. Evolution of animation since World War II. Fall, Spring.


FIL 4057C CAH-SVAD 3(3,1) Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

FIL 4103 CAH-SVAD 3(3,0) Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legacies of adaptation, analysis of existing models, and written adaptations. Occasional.

FIL 4103H CAH-SVAD 3(3,0) Honors Film Adaptation: PR: Consent of Honors. The process of adapting scripts from other sources. The investigation of the legacies of adaptation, analysis of existing models, and written adaptations. With Honors content. Occasional.

FIL 4126C CAH-SVAD 3(2,2) Genre Writing: PR: Film major, FIL 3035C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, etc. Occasional.

FIL 4126C CAH-SVAD 3(2,3) 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 4136C CAH-SVAD 3(2,3) Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader’s coverage. Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 4301C</td>
<td>CAH-SVAD Document Workshop I: PR: FIL 3363 or C.I.</td>
<td>3,1(3)</td>
<td></td>
<td>Socially significant documentary projects for community groups, non-profit organizations, non-profit agencies using film, video and digital media. Fall.</td>
</tr>
</tbody>
</table>
FIN 4313  BA-FIN  3(3,0)  Management of Financial Institutions: PR: FIN 3303 and FIN 3403, 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: PR: FIN 3430C, FIN 3414, and FIN 4560C 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 presentation and solutions on computers. Fall, Spring.

FIN 4514  BA-FIN  3(3,0)  Portfolio Analysis and Management: PR: PR: FIN 3003, FIN 3303 and FIN 3504, each with a "C" (2.0) or better; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4533  BA-FIN  3(3,0)  Financial Derivatives: PR: PR: FIN 3403C, FIN 3303 and FIN 3504, each with a "C" (2.0) or better; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560C  BA-FIN  4(3,1)  Applied Portfolio Management 1: PR: Finance major, FIN 3403 and FIN 3504, each with a "C" (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of equity investment management topics, including risk return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C  BA-FIN  4(3,1)  Applied Portfolio Management 2: PR: Finance major, FIN 4560C 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 3403 with a "B" (3.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international and world markets. Fall, Spring.

FIN 4730  BA-FIN  3(3,0)  Senior Financial Consulting I: PR: Finance major, FIN 4303 and FIN 3303, each with a "C" (2.0) or better; CR: FIN 3414, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. Occasional.

FIN 4731  BA-FIN  3(3,0)  Senior Financial Consulting II: PR: Finance major, FIN 4730 with a "C" (2.0) or better. Project management in a collaborative, interdisciplinary team environment, incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. Occasional.

FIN 4941  BA-FIN  3(3,0)  Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, 3.0 Finance major GPA, minimum overall GPA of 2.75 and consent of internship coordinator. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160  ED-TL&L  3(3,0)  Education and Culture/Language Diversity: PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language. Diversity. Occasional.

FLE 4314  ED-TL&L  3(3,0)  Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. Occasional.

FLE 4333  ED-TL&L  3(3,0)  Foreign Language Teaching in the Secondary School: PR: EDG 4410, proficiency in the target language and English. Methods of teaching foreign languages at the secondary level within a communicative framework. Current approaches to instructional techniques in listening, speaking, reading, and writing skills, testing, error correction. May be repeated for credit. Occasional.

FLE 5331  FLE 4333  ED-TL&L  3(3,0)  Foreign Language Methods at the Secondary Level: PR: Graduate standing or C.I. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. Occasional.

FRE 1120C  CAH-LANG  3(3,1)  Elementary French Language and Civilization I: PR: FRE 3420 or C.I. Introductory French course of 2 years of college level French or equivalent. Intensive study of French language and culture. Fall, Spring.

FRE 4500  CAH-LANG  3(3,0)  French Civilization and Culture: PR: FRE 3420. A survey of the major periods of French civilization and culture. Critical reading, writing and research in the major topics of French civilization and culture. Fall, Spring.

FRE 4503  CAH-LANG  2(2,0)  Quebecois Civilization: PR: 2 years of college level French or equivalent. Intensive study of the major epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRE 4782  CAH-LANG  2(2,0)  Advanced French Phonetics and Diction: PR: French Grammar or equivalent. Advanced study of French phonetics and diction with particular emphasis on French in other languages.
20th Century French Drama: PR: FRW 2200. May include survey covering texts from the Middle Ages to the present. May focus on a particular period, genre, or topic. Occasional.

French Contemporary Pop Culture: PR: FRW 2200. Examination of Modem France and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

French Medieval Literature and Culture: PR: FRW 3810. Provides students with the skills needed to read, discuss, and write about French literature and culture of medieval France. Occasional.

Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

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, Rousseau, Flaubert, Camus, and others. Occasional.


French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.


Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on major authors and both traditional and avant-garde authors such as Bazin, Beckett, Sartre, Camus, Mornar, Malraux and Sarraute. Occasional.


20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Ionesco, and Sarraute. Different literary approaches will also be used. Occasional.


Stylistics: PR: FRE 3420 or equivalent. An intense study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.

Techniques of Food Preparation: PR: HFT 1000. Basic principles and practice of food and beverage preparation, service, and menu development. Fall, Spring. M&S fee $70.00.

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 on and off premise catered events. Fall, Spring. M&S fee $70.00.

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.

The major historical and geographical developments that have affected the creation of the cuisines of the world. M&S fee $35.00.

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.

Hons Introduction to International Business: PR: Junior standing, permission of Honors, ACG 2071, ECO 2013 and ECO 2025, 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.

Honors Introduction to International Business: PR: Junior standing, permission of Honors, ACG 2071, ECO 2013 and ECO 2025, 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.

New Venture Finance: PR: or CR: 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.

Career Search Strategy: PR: GEB 3003. Provides a basic understanding of the importance of career professionalism in today's competitive business environment. The course focuses on personal branding and career search strategies. Fall, Spring.

Career Search Strategy: PR: Admission to the College of Business. Designed to provide a basic understanding of the importance of career professionalism in today's competitive business environment. The course focuses on self-awareness and career research and planning. Fall, Spring.

Integrated Business Foundations: PR: Junior standing. Provides opportunity to utilize core competencies of team work, communication, and creative decision making through a hands on, small business consulting or problem solving engagement. Fall, Spring.
UCF Courses and Descriptions

GEB 4522 BA-BA  3(3,0)

GEB 4824 BA-BA  3(3,0)
Business Law in Sport & Entertainment: PR: SPS 3003 with a “C” (2.0) or better. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Occasional.

GEB 4934 BA-BA  0(0,1)

GEB 5516 BA-MAN  3(3,0)
Technological Entrepreneurship: PR: Graduat standing. Focus of the course is on identification, evaluation and commercialization of new technologies. Emphasis will be placed on the legal, financial and strategy aspects of technology transfer and development. Occasional.

GEB 5941 BA-BA  1.5(1.5,0)
Professional Business Practicum: PR: Acceptance in the graduate program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. Occasional.

GEO 1200 COS-POLS  3(3,0)
Physical Geography: Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.

GEO 2370 COS-POLS  3(3,0)
Resource Geography: Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.

GEO 3471 COS-POLS  3(3,0)
World Political Geography: PR: ENC 1102 or POS 2041 or C.I. Analysis of factors which affect power distributions among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

GER 1120C CAH-LANG  4(4.1)
Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Occasional.

GER 1120C CAH-LANG  4(3,1)
Elementary German Language and Civilization I: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

GER 1121C CAH-LANG  4(4.1)
Honors Elementary German Language and Civilization II: PR: GER 1120C or equivalent and permission of Honors. Continuation of GER 1125C, with honors-level content. Occasional.

GER 2200 CAH-LANG  3(3,1)
Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

GER 2201 CAH-LANG  3(3,1)
Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

GER 2210 CAH-LANG  3(3,0)
Intensive German Conversation: PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

GER 2240 CAH-LANG  3(3,0)
German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

GER 2270 CAH-LANG  6(6.0)
Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.

GER 2271 CAH-LANG  2(2.0)
Modern German Civilization Abroad I: PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3102 CAH-LANG  3(3,0)
Germany - Past to Present: PR: GER 3780 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

GER 3272 CAH-LANG  2(2.0)
Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3420 CAH-LANG  3(3,0)

GER 3440 CAH-LANG  3(3,0)

GER 3441 CAH-LANG  3(3,0)
Business German II: PR: GER 3440. Continuation of Business German I. Occasional.

GER 3470 CAH-LANG  6(6.0)
Advanced German Study Abroad: PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. Occasional.

GER 3760 CAH-LANG  3(3,0)
Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulary building with systematic training in pronunciation and location. 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 4315 CAH-LANG  3(3,0)
Comparative German Studies: PR: GER 3760, GER 3420, or any other 3000 level German course. An accelerated grammar course designed for advanced students of the German language. Occasional.

GER 4422 CAH-LANG  3(3,0)
Advanced German Grammar: PR: GER 3760 or any other 3000 level German course. An accelerated grammar course designed for advanced students of the German language. Occasional.

GER 4510 CAH-LANG  3(3,0)
Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

GER 4520 CAH-LANG  3(3,0)
Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.

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 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. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and 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 5007 CON-NURS  3(3,0)
Women and Healthy Aging: PR: Graduate standing or senior undergraduate. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

GEY 5600 ED-CFCS  3(3,0)
Physiology of Aging: PR: BSC 2010C or PSC 2703C or APK 4110C or equivalent. The purpose of this course is to develop the student's understanding of the effects of aging on animal aging in various body systems. Occasional.

GEY 5648 HPA-SOWK  3(3,0)
Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing or 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: GEO 3200C or GEG 3200C or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility siting studies. Odd Fall.

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: gemstones, rock cycle, plate tectonics, mountain building, major metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

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 content. Occasional. M&S fee $15.00

GRA 2101C CAH-SVAD  3(2.4)
Introduction to Computer Art: PR: ART 2823 or C.I. Priority given to students who major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. Fall, Spring.
UCF Courses and Descriptions

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 3500. Techniques and methods for studio projects used in the graphic design field. 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 problems 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 2300C, 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.

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 2203C, and DIG 3715C. Graphic design techniques and methods relating to web design and development. Fall, Spring.

GRA 3950 CAH-SVAD 0(0,0)

GRA 4154C CAH-SVAD 3(2,4)
Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, 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 $40.00

GRA 4196C CAH-SVAD 3(2,4)
Advanced 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. Captions 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 3602C. 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 language skills: listening, speaking, reading and writing, as well as to constitute an introduction 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 equivalent. Designed to continue the study of Modern Hebrew; increase proficiency in conversation, reading and writing skills, and further expose students to Israeli culture. Occasional.

HBR 2201 CAH-JUD 3(3,0)

HBR 3250 CAH-JUD 3(3,0)

HBR 3410 CAH-JUD 3(3,0)

HFT 1000 RCHM-HSP SERV 3(2,4)
Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.

HFT 2220 RCHM-HSP SERV 3(2,3)
Hospitality Human Resources Management: Application of strategic principles of human resources management to the hospitality tourism setting. Fall, Spring.

HFT 2254 RCHM-FOOD&LODG 3(3,0)
 Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.

HFT 2401 RCHM-HSP SERV 3(3,0)

HFT 3443 RCHM-TEA 3(3,0)
Event Technology: PR: HFT 1000 and HFT 2750; or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.

HFT 3444 RCHM-HSP SERV 3(3,0)
Hospitality Information Systems: PR: ECO 2013 or ECO 2023, and CBS 2100, MAC 1105, HFT 2254. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

HFT 3512 RCHM-TEA 3(3,0)
Event Promotion: PR: HFT 1000 and HFT 2750, and C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.

HFT 3519 RCHM-TEA 3(3,0)
Event Services: PR: HFT 2750 and HFT 3443. The acquisition and management of services integral to the success of events. The supply side of the event industry. Fall, Spring. M&S fee $32.00

HFT 3523 RCHM-TEA 3(3,0)
Event Sales: PR: HFT 2500 and HFT 3519, or C.I. In-depth look at the sales process for events, including the development of requests for proposals, negotiation skills and sales strategies. Fall, Spring.

HFT 3540 RCHM-HSP SERV 3(3,0)
Guest Services Management I: PR: ECO 2013 or ECO 2023, and MAC 1105. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.

HFT 3603 RCHM-HSP SERV 3(3,0)

HFT 3654 RCHM-FOOD&LODG 3(3,0)
Hospitality Franchising: PR: HFT 2504 or HFT 3625, HFT 2500, HFT 3431 and Junior standing. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Spring.

HFT 3670 RCHM-TEA 3(3,0)
Hospitality and Event Risk Management: PR: HFT 1000 and junior standing or C.I. Risk, crisis, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. Occasional.

HFT 3700 RCHM-TEA 3(3,0)
Tourism Management: PR: HFT 1000 and Junior standing or C.I. Analysis of the tourist phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.

HFT 3741 RCHM-TEA 3(3,0)
Meeting Management: PR: HFT 2750 and HFT 3519. The process of meeting planning, setting objectives to analyzing the success of the event. Fall, Spring.
Cruise Line Operations and Management: PR: HFT 2254, or C.I. Undergraduate students or Cruise company operations and management. Shipsboard organization and delivery of the cruise product to the guest. Occasional.

Management of Gaming Enterprises: PR: Junior standing. An in-depth study of gaming-based organizations including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.

Event Design and Production: PR: HFT 1000, HFT 2750, HFT 3443, and HFT 3670; or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.

Fairs and Festivals: PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. Occasional.

Foodservice Marketing, Sales, and Distribution: PR: HFT 2250 and HFT 3283. Foodservice marketing, sales, and distribution from both an operator and supplier perspective. Fall, Spring.

History and Culture of Wine: PR: Minimum age of 21 and a History course or C.I. The role that wine has played in the history, development, operation and management of Yacht, Country and City Clubs. Emphasis will be placed on operational aspects. Fall.


Hospitality Communications: PR: HFT 1000; HFT 2220; FSS 2212; HFT 2224; HFT 2500; HFT 3063; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on inter departmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.

Hospitality Facilities Management: PR: HFT 2254, and Junior standing; 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.


Advanced Trade Show Management: PR: HFT 4275, or C.I. Trade show management and the changing nature of exhibition space. Pre-event logistics and on-site management of critical success factors. Occasional.

Event Operations: PR: All courses in the Event Management core, or C.I. Planning and implementing a live event. Fall, Spring.

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.

UCF Courses and Descriptions

HFT 4755  RCHM-TEA  3(3,0)
The Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design Fall, Spring.

HFT 4757  RCHM-TEA  3(3,0)
Event Management: PR: All courses in the Event Management core, or C.I. The development, design, evaluation of events that meet the needs of attendees and stakeholders. Incorporates a case study approach. Requires event volunteer hours approved by instructor. Fall, Spring. M&S fee $65.00

HFT 4758  RCHM-TEA  3(3,0)
Organizational Issues in Theme Park and Attraction Industry: PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions Fall.

HFT 4759  RCHM-TEA  3(3,0)

HFT 4762  RCHM-TEA  3(3,0)

HFT 4795  RCHM-TEA  3(3,0)
Entertainment Arts and Events: PR: HFT 2750 and HFT 3523, or C.I. A historical perspective of the theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, costuming, and evaluation. Fall, Spring.

HFT 4796  RCHM-TEA  3(3,0)
International Events: PR: HFT 1000 and HFT 2750, or C.I. Conceptions and planning events that take place outside of the United States or that attract a large number of participants from outside the United States. Occasional.

HFT 4802  RCHM-LODG  3(3,1)
Catering Sales Management: PR: HFT 2750, HFT 3523, HFT 3707, and FSS 2284C, or C.I. The catering manager's role in the catering sales process. Emphasizes study on market segments, customer relationships, menu planning, financial impact, internal communication/documentation and event oversight. Fall, Spring. M&S fee $45.00.

HFT 4806C  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 $46.00

HFT 4865C  RCHM-FOOD&LODG  3(3,0)
Advanced Wine Management: PR: Minimum age of 21, HFT 3859 or HFT 4966C, or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional. M&S fee $70.00.

HFT 4884  RCHM-FOOD&LODG  3(3,0)
International Gastronomy: PR: FSS 2230, 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.

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 S/U. Fall, Spring.

HIM 3006  HPA-HMI  3(3,0)
Foundations of Health Information Management (HIM): PR: ENC 1102. Foundation of professional release of information; record analysis, numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

HIM 3116C  HPA-HMI  4(3,2)
Health Record Organization and Management: PR: HIM 3005 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  HPA-HMI  3(1,4)
Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HSC 3537 and HIM 3116C. Virtual hospital tour; master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. Fall, Spring.

HIM 4226C  HPA-HMI  5(3,4)
Coding Procedures I: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for inpatient and outpatient health information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.

HIM 4256C  HPA-HMI  3(2,2)
Coding Procedures II: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; CPT/HCPCS, APDC, encoders. Fall.

HIM 4344C  HPA-HMI  4(3,2)
Health Information Department Management: PR: HIM 3116C; HSCA 4180 or MAN 3025; or C.I. Personal administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. Fall.

HIM 4508C  HPA-HMI  3(2,2)
Quality Management: PR: HSC 3537 or C.I. Principles and mechanics of quality improvement; utilization review; case management and risk management. Fall, Spring.

HIM 4624C  HPA-HMI  3(2,2)
Health Data Management: PR: Acceptance into HIM program or C.I. Health care statistics, data analytics and data usage specific to health informatics and information management will be explored in depth. Spring.

HIM 4656C  HPA-HMI  3(2,2)
Health Information Management Systems: PR: or CR: HIM 3006. Vitalization of computerized information systems, management and patient care in the health care industry, systems analysis, system design and project management concepts. Fall, Spring.

HIM 5118C  HPA-HMI  4(3,1)
Health Care Informatics and Information Technology: PR: Admission to M.S. in Health Care Informatics or C.I. An overview of information systems in healthcare and information technology in healthcare decision making. Ethical, planning and legal issues of informatics will be explored. Fall.

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 S/U. May be repeated for credit. Occasional.

HIS 4065  CAH-HIST  3(3,0)

HIS 4070  CAH-HIST  3(3,0)

HIS 4150  CAH-HIST  3(3,0)
History and Historians: PR: C.I. A study of European and/or American historiography. May be used in the degree program a maximum of 2 times. Fall, Spring.

HIS 4323  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, and C.I. Research in history through sustained reading, writing, and discussion on a focused topic. May be repeated for credit. Fall, Spring.

HIS 4944  CAH-HIST  3(3,0)
Internship in Public History: PR: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. Fall, Spring.

HIS 4959  CAH-HIST  0(0,0)
History Portfolio: PR: "C" or better in HIS 4150 and Senior standing. In the term they are graduating, History B.A. students revise their portfolio and submit for approval. 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  VAR
Honors Undergraduate Thesis: Graded S/U or Letter grade. Occasional.

HIS 5067  CAH-HIST  3(3,0)
Introduction to Public History: PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.

HIS 5083  CAH-HIST  3(3,0)
Cultural Heritage Management: PR: Graduating Senior Standing, HIS 5067, or C.I. Readings in the debates and issues of international management of cultural heritage and property, including introduction to UNESCO standards. Occasional.
**UCF Courses and Descriptions**

**HIS 5095 CAH-HIST** 3(3.0)  
Readings in Historic Preservation: PR: HIS 3007 or C.I. Course will expose students to major theoretical conversations in Historic Preservation including law, sustainability, and cultural resource management. Occasional.

**HIS 5925 CAH-HIST** 3(3.0)  
History in the Digital Age: PR: Graduate standing or C.I. The course reviews the history, theory, and methodologies of digital historical practices from precedents in New Social History to the present, including use in Public History. Event Fall.

**HLP 2701 ED-CFCS** 3(3.0)  
Peer Education Training: PR: Sophomore standing and C.I. Strategies for teaching life skills and health education information for secondary students and college age peers Fall, Spring.

**HSA 3012 HPA-HP** 3(3.0)  
Issues & Trends in Public Health: PR: Sophomore standing or C.I. Heighten the overall student awareness about the components of public health system, looking at the historical, present issues & trends in Public Health: HSA 3012 HPA-HP 3(3,0)

**HSA 4220 HPA-HMI** 3(3.0)  
Long Term Patient Management: PR: HSA 3111.此课程旨在为长期病患提供病历管理的长线服务，针对学生。

**HSA 4502 HPA-HP** 3(3.0)  

**HSA 4702 HPA-HP** 3(3.0)  
Health Sciences Research Methods: PR: (STA 2014C or STA 2023) and Junior Standing, or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

**HSA 4850 HPA-HMI** 3(3.0)  
Health Services Administration Internship: PR: HSA 4853, 2.75 Major GPA, 90 overall credit hours, 24 HSA credit hours, approval of the Internship Director. 150 hour minimum internship in an approved health care organization. Fall, Spring.

**HSA 4853 HPA-HMI** 0(0,0)  
Internship Orientation: PR: 2.75 Major GPA, 90 overall credit hours, 24 HSA credit hours. This prerequisite for HSA 4850 provides critical information for the internship search. The course must be completed no more than one semester prior to the internship. Fall, Spring.

**HSA 4939 HPA-HMI** 3(3.0)  
Health Services Administration Capstone: PR: HSA major and senior standing. HSA 3170, HSA 3430. Capstone course applies healthcare administration theory to a healthcare organization. Students will integrate previous coursework to evaluate an existing healthcare organization. Fall, Spring.

**HSA 5177 HPA-HMI** 3(3.0)  
Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.

**HSA 5198 HPA-HP** 3(3.0)  
Health Care Decision Sciences and Knowledge Management: PR: STA 2020 or passing score on standardized 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.

**HSA 5258 HPA-HP** 3(3.0)  
CPT Coding for Health Services Administrators: PR: HSC 8636 or C.I. or BS in healthcare-related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. Occasional.

**HSA 5436 HPA-HMI** 3(3.0)  
Foundations of Health 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.

**HSA 5509 HPA-HMI** 3(3.0)  
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.

**HSC 1931C HPA-HPA** 2(1,1)  
Foundations of Leadership: PR: LEAD Scholars Program or C.I. Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Occasional.

**HSC 2000 HPA-HP** 2(2.0)  
Introduction to the Allied Health Professions: PR: Freshman and Sophomores only. A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Graded S/U. Fall.

**HSC 2524 HPA-HP** 3(3.0)  
Introduction to Human Disease: PR: BSC 2010C. Restricted to COHPA majors or C.I. Basic concepts and mechanisms related to the understanding of human disease. Fall, Spring.

**HSC 2921 HPA-HP** 2(2.0)  
LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1931C, EGS 1002C, DS 1040C, GEB 1091C or EDG 1005C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. Occasional.

**HSA 3110 HPA-HP** 3(3.0)  
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.

**HSA 3147 HPA-HP** 3(3.0)  

**HSC 3211 HPA-HP** 3(3.0)  
Preventive Healthcare: PR: PCB 3703C, Preventive Healthcare in the U.S., including current recommendations and guidelines to prevent disease and application of preventive interventions to chronic disease. Fall, Spring.

**HSC 3432 HPA-HP** 3(3.0)  

**HSC 3537 HPA-HP** 3(3.0)  
Medical Terminology: A study of the language of medicine and allied health specialties, including word construction, definitions, and application of terms. Fall, Spring.

**HSC 3559 HPA-COM SC&DIS** 3(3.0)  
Disabilities in American Society: PR: Junior standing. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. Fall, Spring.

**HSC 3593 HPA-HP** 3(3.0)  
HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. Fall, Spring.

**HSC 4008 HPA-HP** 3(3.0)  
Professional Development in Health Professions: PR: ENC 1102 and Junior Standing. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements. Fall, Spring.

**HSC 4158 HPA-HP** 3(3.0)  
Medical Pharmacology I: PR: BSC 2010C and admission to Cardiopulmonary Sciences program, or C.I. General pharmacological principles such as regulations, prescriptions, routes of administration, drug action mechanisms, indications/contraindications, and the side effects of cardipulmonary drugs. Fall.

**HSC 4159 HPA-HP** 2(2.0)  
Medical Pharmacology II: PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes inotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists. Spring.

**HSC 4201 HPA-HP** 3(3.0)  
Community Health: PR: ENC 1102 and Junior Standing, or C.I. Historical, sociocultural and economic factors in community health; current community health problems; interface of governmental, voluntary, and private agencies. Fall, Spring.
UCF Courses and Descriptions

HSC 4500 HPA-HP  3(3,0)
Epidemiology: PR: HSA 3111 and (STA 2014C or STA 2023), or C.I. A study of the distribution and determination of diseases and injuries in human population. Fall, Spring.

HSC 4501 HPA-HP  3(3,0)
Epidemiology of Chronic Diseases: PR: ZOO 3733C, PCB 3703C, and (STA 2014C or STA 2023). Epidemiology of chronic diseases including risk factors, etiology, mortality and morbidity as they relate to clinical practice, research, and intervention. Occasional.

HSC 4553 HPA-HP  3(3,0)
Concepts in Pathophysiological Diagnosis: PR: HSC 4555 or HSC 4556, and Senior standing. Basic principles of diagnosis with a focus on methodology and relevance to pathophysiology. Occasional.

HSC 4555 HPA-HP  3(3,0)
Pathophysiology I: PR: ZCO 3733C and PCB 3703C, or C.I. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the immune, cardiovascular, respiratory, and renal systems. Fall, Spring.

HSC 4558 HPA-HP  3(3,0)
Pathophysiology II: PR: PCB 3703C and ZCO 3733C. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the digestive, hepato-biliary, nervous, and endocrine systems. Fall, Spring.

HSC 4654 HPA-HP  3(3,0)
Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.

HSC 4752 HPA-HP  3(3,0)
Clinical Nutrition: PR: HUM 2201. Basic principles of both normal and medical nutrition therapy associated with health and chronic diseases of public health importance. Fall, Spring.

HSC 4652 HPA-HP  3(3,0)
Health Law and Ethics: PR: ENC 1102 and Junior Standing. C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. Fall, Spring.

HSC 4730 HPA-HP  3(3,0)
Applied Health Research Methodology: PR: (STA 2023 or STA 2014C) and Junior Standing. Clinical research issues including clinical research questions, protocol, patient safety, IRB, ethics and patient rights. Occasional.

HSC 4930 HPA-HP  3(3,0)
Senior Seminar: PR: Senior standing, Health Sciences Pre-Clinical Track only. Career and graduate school preparation and application of clinical and translational research in healthcare. Fall, Spring.

HSC 5317 ED-EAHS  3(3,0)
Health Methods: Teaching Strategies and Interventions: PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, methodology, and curriculum to develop a comprehensive school health program. Occasional.

HUN 5247 HPA-HP 3(3,0) Principles of Human Nutrition: PR: Admission to Health Sciences M.S. 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.

IDC 5602 GRDST-INTERDIS 3(3,0) Cybersecurity: A Multidisciplinary Approach: PR: Graduate standing or C.I. Interdisciplinary M&S fundamentals as applied to cybersecurity including operating system installation and administration for hardware, network architectures, configurations, behavioral aspects, organizational continuity planning, security management. Fall.


IDH 1921H BHC-HON 2(2,0) Honors Symposium II: PR: IDH 1920H. Readings, lectures, and discussions covering aspects of scholarship, other, and creative efforts. Graded SU. Spring.

IDH 3101H BHC-HON 3(3,0) Honors Cultural Traditions of India: PR: Consent of Honors. Integrative background of Indian culture, philosophy and art. Instruction on music, yoga, dance and Indian fine arts. Fall, Spring.

IDS 3000H CAH-PHILOS 3(3,0) Honors Case Studies in Ethics: PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to interdisciplinary problems and will participate in team debates. With Honors content. Fall.

IDS 4030H BHC-HON 1(3,0) Honors Windows To The World: PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarship in the school. Graded SU. May be repeated for credit. Occasional.

IDS 2042C COS-COS 2(1,1) LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, GEB 1091C, GEB 1091C, EDEG 1005, or EDP 1933C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

IDS 3150 UGST-INTERDIS 3(3,0) Foundations of Environmental Studies: PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.

IDS 3333 UGST-INTERDIS 3(3,0) World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems, using approaches and data from multiple disciplines. Occasional.

IDS 3933 UGST-INTERDIS 3(3,0) Cornerstone Experience: PR: ENC 1102. Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall, Spring.

IDS 4204C ECS-ECS 3(2,2) Advanced Topics on Energy and Sustainability: PR: ECS 1102, EDS 1102, EDS 3333. Junior standing, and Interdisciplinary Studies major, or C.I. Student exposure of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic/career goals. Fall, Spring. M&S fee $17.00

IDS 5127 COM-BBSB 3(3,0) Foundation of Bio-Imaging Science: PR: Graduate standing. Fundamental theory, design, and practice of bio-imaging techniques used for basic biomedical research applications. 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) Honors Industrial/Organizational Psychology: PR: PSY 2012 and consent of Honors. Psychological theories and principles applicable to problems in industrial organizations. With Honors content. Occasional.

INP 3141C COS-PSYCH 1-3(0-3,9) Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, educational, and organizational settings. Supervised laboratory experience is required. Graded SU. May be repeated for credit. Fall, Spring.

INP 3951 COS-PSYCH 3(3,0) Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of IO psychology to local organizations. Occasional.

INP 4313 COS-PSYCH 3(3,0) Organizational Psychology: PR: PSY 2012. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, interpersonal behavior, and organization development. Fall.

INP 4380 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.

INP 5825 COS-PSYCH 3(3,0) Human-Computer Interaction (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. Analysis of the fundamental principles and factors affecting international relations and their application to contemporary global developments. Fall, Spring.

INR 3016 COS-POLS 3(3,0) Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income- and gender issues and environmental challenges. Occasional.


INR 3253 COS-POLS 3(3,0) International Politics of Africa: PR: ENC 1102 or POS 2041 or C.I. Theories and processes of international politics and foreign policy in Africa, with particular attention on U.S.- Africa relations. Occasional.

INR 4008 COS-POLS 3(3,0) Global Perspectives: PR: ENC 1102 or C.I. The historical and contemporary contexts of globalization. Fall, Spring.

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 4035 COS-POLS 3(3,0) International Political Economy: PR: ENC 1102 or POS 2041 or C.I. The international politics of regional and global economic interdependence, with emphasis upon economic, political, and security 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 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 U.S.-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/security impact. Occasional.

INR 4075 COS-POLS 3(3,0) Human Rights Policy: PR: ENC 1102 or POS 2041 or C.I. Meaning of human rights, political and international implications of human rights policies, relationship to global peace, racism, gender inequality, economic development and democratization. Spring.

INR 4076 COS-POLS 3(3,0) Global Drug Policy: PR: ENC 1102 or POS 2041 or C.I. Theoretical and practical disciplinary debates on drug policy, drug-related phenomena, including civil war, genocide, and riots. Occasional.

INR 4084 COS-POLS 3(3,0) Politics of International Terrorism: PR: ENC 1102 or POS 2041 or C.I. 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.

UNIVERSITY OF CENTRAL FLORIDA
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 emphasis on the role of the 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, ENC 1102 or POS 2041 or C.I. Control 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 US wars in Iraq and Afghanistan. Occasional.

INR 4223 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 impart. 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. The study of various sub-areas as recognition, maritime law, nationality, and war. Fall.

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, nationality, and war. 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.

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, Marxism, feminism, and post-modernism. Fall, Spring.

INR 4714 COS-ISL  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, regional, and global levels of analysis. Occasional.

INR 4744 COS-POLS  3(3,0)
Military in World Politics: PR: POS 2041, or INR 2002, or C.I. Civil-military relations and its influence on international relations and comparative politics. Occasional.

INR 4764 COS-POLS  3(3,0)
Cyberwarfare Policy: PR: POS 2041 or ENC 1102 or INR 2002 or C.I. How nations, groups and individuals throughout the world use internet/cyber-attacks for military, political, and economic gains over their adversaries. Occasional.

INR 4765 COS-POLS  3(3,0)
Emerging Space Powers: PR: POS 2041, or C.I. Examination of states' efforts to develop space technologies for purposes of economic, social and military development. 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 efforts on globalization and international policies economic and military. Occasional.

ISC 2054 COS-MATH  1(2,0)
STEM Seminar I: PR: Admission to an ISTEM sponsored program. Study skills, faculty networking, exposure to STEM professionals. Graded S/U. Fall.

ISC 2055 COS-MATH  1(2,0)
STEM Seminar II: PR: Admission to ISTEM sponsored 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: ENC 1102 or POS 2041 or C.I. Introduces the student to Italian culture through 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, diplomatic 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. Occasional.

ITA 3420 CAH-LANG  3(3,0)
Italian Composition: PR: ITA 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

ITA 3440 CAH-LANG  3(3,0)

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 (1920s through today) through literature, film, and mass media. Spring.

ITA 3760 CAH-LANG  3(3,0)
Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4280 CAH-LANG  3(3,0)

ITT 3443 CAH-LANG  3(3,0)

ITT 3480 CAH-LANG  3(3,0)
Italian Literature in Translation: PR: ITA 2201 or C.I. Main literary tendencies and authors of Italian literature. 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: CMT 1010 or Journalism Major, or Magazine Journalism Minor and meet grammar proficiency requirement. News gathering and writing for the mass media. Fall, Spring.
### UCF Courses and Descriptions

#### JOU 3004 COS-COMM 3(3.0)
**History of American Journalism:** Development of mass media and leading innovators, and the media’s role in the nation’s history. Fall, Spring.

#### JOU 3015 COS-COMM 3(3.0)
**Principles of Journalism:** PR: Either SPC 1908, SPC 1603C, COM 1000, or C.I. Introduces principles of the journalism industry and lays the foundation for other upper-level journalism courses. Fall, Spring.

#### JOU 3101 COS-COMM 3(3.0)
**Advancement Reporting:** PR: Journalism major or Magazine Journalism minor and a minimum grade of “C” (2.0) in JOU 2100C. Advanced information-gathering and development of news writing skills. Fall, Spring.

#### JOU 3130 COS-COMM 3(3.0)
**In-Depth Reporting:** PR: Journalism major and JOU 2100C, or C.I. Writing with analysis, using detail, description, and demographics. Occasional.

#### JOU 3184C COS-COMM 3(2.1)
**Metro Reporting:** PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Coverage of several important news beats in a metropolitan area. Spring.

#### JOU 3201 COS-COMM 3(3.0)
**Editing I:** PR: Meet grammar proficiency requirement with “A” or higher in ENC 1101 and ENC 1102, or complete Grammar Proficiency test. Editing copy, writing headlines, managing newsroom operations. Fall, Spring.

#### JOU 3202 COS-COMM 3(3.0)
**Editing II:** PR: Journalism major or Magazine Journalism minor, a minimum grade of “C” (2.0) in JOU 2100C, and a minimum grade of “C” (2.0) in JOU 2100C. Practical aspects of editing. Occasional.

#### JOU 3301 COS-COMM 3(3.0)
**Journalism Readings:** PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. Concepts of literary journalism, designed to enhance understanding and evaluation techniques used by journalists. Occasional.

#### JOU 3310 COS-COMM 3(3.0)
**Social Media Writing for Magazines:** PR: JOU 2100C or PUR 3100. Social media writing for traditional magazines and journalism-based zines. Students will learn about the practices of social media writing and create their own blogs based on journalism practices. Fall.

#### JOU 3313C COS-COMM 3(2.1)
**Sports Reporting:** PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Covering sports for the media, issues, principles, and practices. Occasional.

#### JOU 3510 COS-COMM 3(3.0)
**Magazine Publishing:** PR: Journalism major or Magazine Journalism minor, and a minimum grade of “C” (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. Fall.

#### JOU 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.

#### JOU 4181 COS-COMM 3(3.0)
**Public Affairs Reporting:** PR: Journalism major, and a minimum grade of “C” (2.0) in JOU 2100C and a minimum grade of “C” (2.0) in JOU 3184C or JOU 3101. Reporting on city, county and state government. Occasional.

#### JOU 4211C COS-COMM 3(2.1)
**Informational Graphics:** PR: Journalism major and JOU 2051. Use of boxes, charts, and graphics in multimedia. Occasional.

#### JOU 4213C COS-COMM 3(2.1)
**Page Design:** PR: Journalism major and JOU 2051. Designing news pages, including stories, headlines, and other content. Fall, Spring.

#### JOU 4300 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 4306C 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 4308 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 4340C 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.

#### JOU 4341C COS-COMM 3(1.3)
**Online Journalism II:** PR: JOU 4340C. Study, design, and development of online journalism materials. Occasional.

#### JOU 4342C COS-COMM 3(2.1)
**Multimedia Journalism:** PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C, and a minimum grade of “C” (2.0) in JOU 2100C. Magazine production, including writing and editing skills, and editorial requirements. Spring.

#### JOU 4447 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 writing and editing skills. Fall, Spring.

#### JOU 4700 COS-COMM 3(3.0)
**Journalism Ethics:** PR: MMC 3200. Ethical problems, codes, and practices in newsmakers. Fall, Spring.

#### JOU 4950 COS-COMM 4(4.0)
**Senior Capstone in Journalism:** PR: JOU 3101, JOU 4340, or JOU 4342, or C.I. Advanced techniques in multimedia news gathering and reporting for a daily web publication as part of a capstone experience in journalism. Fall, Spring.

#### JPN 1102 CAH-LANG 3(3.0)
**Advanced Japanese Conversation:** PR: JPN 1121C. Values, practices, and beliefs that define Judaism. Occasional.

#### JST 3005 CAH-JUD 3(3.0)
**Tenets of Judaism:** PR: ENC 1101 and ENC 1102. Values, practices, and beliefs that define Judaism. Occasional.

#### JST 3100 CAH-JUD 3(3.0)
**The Hebrew Creative Mind:** Survey of the creative expressions of Hebrew civilization as found in the Hebrew Bible, Apocrypha and Pseudepigrapha, the Mishnah, and the Talmud, Medieval Hebrew Poetry and Prose. Occasional.

#### JST 3120 CAH-JUD 3(3.0)
**Hebrew Scriptures:** PR: ENC 1102, Junior standing. The Hebrew Bible (Old Testament, in translation) in historical, social, religious, cultural and literary contexts. Occasional.

#### JST 3121 CAH-JUD 3(3.0)
**Classic Texts of Judaism:** PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Quaran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.

#### JST 3125 CAH-JUD 3(3.0)
**The Book of Job:** PR: Jr standing, ENC 1102. A textual-thematic study of Book of Job in English translation, exploring the Book of Job as literature, theology and ethics. Occasional.

#### JST 3126 CAH-JUD 3(3.0)
**Romantic Love in the Bible:** PR: ENC 1102, Junior standing. The dimensions of romantic love in the Hebrew Bible, focusing on the depiction of human feelings of love and relationship; the nature of man-woman interactions in ancient Israel. Occasional.

#### JST 3144 CAH-JUD 3(3.0)
**Dead Sea Scrolls:** PR: Junior standing or C.I. The Dead Sea Scrolls, their literary and historical context, and significance. Occasional.

#### JST 3149 CAH-JUD 3(3.0)
**Judaism and Jesus:** PR: ENC 1102 or C.I. Examines the implications of the “historical Jesus” and early Christianity on the Jewish people, particularly late antiquity and the Second Jewish Commonwealth. Occasional.

#### JST 3190 CAH-JUD 3(3.0)
**The Biblical Prophets:** PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. Occasional.

#### JST 3210 CAH-JUD 3(3.0)
**Kabbalah: Jewish Mysticism:** PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. Occasional.

#### JST 3312 CAH-JUD 3(3.0)
**Identity and Genre:** PR: ENC 1102 or C.I. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. Occasional.

#### JST 3401 CAH-JUD 3(3.0)
**Jewish People in Antiquity:** PR: ENC 1102. History and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. Fall.

#### JST 3402 CAH-JUD 3(3.0)
**The Bookends: The Jewish People in Dispersion:** PR: ENC 1102. The life and history of the Jews in the medieval and modern worlds. Spring.

#### JST 3415 CAH-JUD 3(3.0)
**American Jewish History:** PR: ENC 1102. Jewish presence in America and its influence on and contribution to American life and culture. Occasional.
## UCf Courses and descriptions

**JST 3417 CAH-JUD 3(3,0)**  

**JST 3424 CAH-JUD 3(3,0)**  
Biblical Archaeology: PR: ENC 1102. Examines archaeological excavations in Israel and the ancient Near East to shed light on events and stories recorded in the Bible. Even shaped.

**JST 3450 CAH-JUD 3(3,0)**  
Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel Occasional.

**JST 3481 CAH-JUD 3(3,0)**  
20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Solovitch, within the historical context of European immigration to the U.S. Occasional.

**JST 3510 CAH-JUD 3(3,0)**  
Notable Women in Jewish History: PR: ENC 1102 or C.I. Historical and cultural role of exceptional women in Judaism. Occasional.

**JST 3550 CAH-JUD 3(3,0)**  
Introduction of Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). Occasional.

**JST 3551 CAH-JUD 3(3,0)**  

**JST 3620 CAH-JUD 3(3,0)**  

**JST 3701 CAH-JUD 3(3,0)**  

**JST 3751 CAH-JUD 3(3,0)**  

**JST 3803 CAH-JUD 3(3,0)**  
The Israeli Experience in Short Stories: PR: ENC 1102. The Israeli experience in contemporary short stories. Themes include Judaism - Past & Present; War & Peace; Society; the Holocaust; the Kibbutz and Israeli reality. Occasional.

**JST 3810 CAH-JUD 3(3,0)**  

**JST 3820 CAH-JUD 3(3,0)**  
Modern Israeli Culture: PR: ENC 1102. Development of the State of Israel: Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. Occasional.

**JST 3821 CAH-JUD 3(3,0)**  
Building a Nation - the Challenges to and Accomplishments of the State of Israel: PR: Grade of C(2.0) or better in ENC 1102 or C.I. Development of Israel as a nation, including elements of nation building, the role of religion, culture, science, hi-tech and higher education. Occasional.

**LAE 3414 ED-TL&L 3(3,0)**  
Literature for Children: PR: Admission to Undergraduate Education Program or C.I. Criteria for analysis and evaluation of children's literature in terms of interests, needs, and abilities of children. Fall, Spring.

**LAE 3414 ED-TL&L 3(3,0)**  
Language Arts in the Elementary School: PR: EDG 4410 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school: organizing for instruction. Fall, Spring.

**LAE 3442 ED-TL&L 3(3,0)**  
Programs in Teaching Language and Comprehension: PR: LAE 3430 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students. Fall.

**LAE 3460 ED-TL&L 3(3,0)**  
English Instructional Analysis: PR: EDG 4410. EDF 4467, TSL 4009, and LAE 4468. CR: LAE 4334 and LAE 3940. Course objectives for a school curriculum and methods and materials which have special application for teaching English at the middle grades and high school. Fall, Spring.

**LAE 3461 ED-TL&L 3(3,0)**  
Literacy Strategies in a Digital Age for Middle and High School: PR: EDG 4410 and EDF 4467. Assists teachers in presenting information using digital literacies, technological innovations and multicultural models of instruction, emphasizing language skills for middle and high school adolescents. Spring.

**LAE 3464 ED-TL&L 3(3,0)**  
Survey of Adolescent Literature: PR: ENC 1101 and admission to the college. This course is designed to explore adolescent and adult literature from an educational and historical perspective. Spring.

**LAE 5195 ED-TL&L 3(3,0)**  
CFWP Teacher Consultant: PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing instruction components to public schools. Occasional.

**LAE 5295 ED-TL&L 1-3(1,3)**  
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.

**LAE 5319 ED-TL&L 3(3,0)**  
Methods of Elementary School Language Arts: PR: Graduate standing. Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.

**LAE 5337 ED-TL&L 3(3,0)**  
Literacy Strategies for Middle and Secondary Teaching: PR: EDG 4415 or C.I. Designed to assist teachers and graduate students in understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. Fall, Spring.

**LAE 5338 ED-TL&L 3(3,0)**  
Teaching Writing in Middle and High School: PR: EDG 4415 or C.I. Techniques and methods in teaching writing, semantics, and the various grammars within the context of writing. Fall, Spring.

**LAE 5346 ED-TL&L 3(3,0)**  
Methods of Teaching English Language Arts: PR: EDG 4415 and TSL 5085 or C.I. or admission to Initial Teacher 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.

**LAE 5369 ED-TL&L 3(3,0)**  
Literacy Strategies in a Digital Age for Middle and High School: PR: Admission to graduate program or C.I. Designed to assist teachers in understanding and presenting information using digital literacies, technological innovations, language arts skills and multimodal models of instruction for secondary education. Spring.
LIN 3713 HPA-COM SC&DIS 3(3,0)
Language Science: PR: or CR: SPA 3471. Language comprehension, models of language production and comprehension, and theories of language development. Fall, Spring.

LIN 3716 HPA-COM SC&DIS 3(3,0)
Language Development: PR: LIN 3713; CR: LIN 3716L. Spoken and written language development from infancy to adulthood. Fall, Spring.

LIN 3716L HPA-COM SC&DIS 2(2,0)

LIN 3717 HPA-COM SC&DIS 3(3,0)
Language Development: 9 - 18 Years: PR: or CR: LIN 3716. In children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 4105 CAH-ENG 3(3,0)
History of the English Language: PR: Sophomore standing, and CR: or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. Fall, Spring.

LIN 4600 CAH-WRITE 3(3,0)
Language and Society: PR: Grade of "C" (2.0) or better required in ENC 1102. An overview of the social, political and cultural changes that have occurred in contemporary society. Fall.

LIN 4615 CAH-ENG 3(3,0)
African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinesics, proxemics, paralinguistics, and gender roles. Occasional.

LIN 4643 CAH-ENG 3(3,0)
Cross Cultural Communication: PR: Junior standing or C.I. Foreign language proficiency in a language other than English. Fall.

LIN 4643H CAH-ENG 3(3,0)
Honors Cross-Cultural Communication: PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinesics, proxemics, paralinguistics, and gender roles. Honors content.

LIN 4663 CAH-ENG 3(3,0)
Modern English Grammar: PR: Sophomore standing, and CR: or better required in ENC 1102. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.

LIN 4711 HPA-COM SC&DIS 3(3,0)
Language Analysis: PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing, and describing language across the lifespan. Fall, Spring.

LIN 4801 CAH-ENG 3(3,0)
Language and Meaning: PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.

LIN 5137 CAH-ENG 3(3,0)
Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG 3(3,0)
English Grammar and Usage: PR: Graduate status or sophomore standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2110 CAH-ENG 3(3,0)
World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

LIT 2120 CAH-ENG 3(3,0)
World Literature II: PR: ENC 1102. Readings from European, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 3082 CAH-ENG 3(3,0)
Continental European Fiction Since 1900: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3132 CAH-ENG 3(3,0)
Legend & Literature of King Arthur: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Surveys 1500 years of Arthurian legend and literature, including such authors as Malory, Chretien de Troyes, and Mark Twain. Occasional.

LIT 3192 CAH-ENG 3(3,0)
Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Honors content.

LIT 3192H CAH-ENG 3(3,0)
Honors Caribbean Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Honors content. Occasional.

LIT 3202 CAH-ENG 3(3,0)
Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

LIT 3202H CAH-ENG 3(3,0)
Honors Death and Dying: PR: ENC 1102H or equivalent credit, and consent of Honors. Explores the subject of death and grief in a variety of literary genres (fiction, memoir, non-fiction). With Honors content. Occasional.

LIT 3206 CAH-ENG 3(3,0)
Place and Space in Literature: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Analysis of how authors develop place and space and how this creates meaning in texts. Occasional.

LIT 3212 CAH-ENG 3(3,0)
Research & Writing About Literature: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Research, writing, and critical analysis skills applicable to upper-level literature courses Occasional.

LIT 3313 CAH-ENG 3(3,0)

LIT 3313H CAH-ENG 3(3,0)
Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.
Analysis of media to determine popular values in the cultural roles affecting student writers.

LIT 3385 CAH-ENG 3(3,0) Chinese Poetry in Translation: PR: Grade of "C" (2.0) or better in ENC 1102; or C.I. Chinese poetry in English translation, either as a survey or with focus on particular periods, movements, or styles. Occasional.

LIT 3390 CAH-ENG 3(3,0) Translated Modern Chinese Novels: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Chinese novels in English translation from the modern and contemporary periods. Occasional.

LIT 3391 CAH-ENG 3(3,0) Topics in World Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Themes, models, and genres from literature outside of the U.S. May be repeated for credit only if content is different. Occasional.

LIT 4233 CAH-ENG 3(3,0) Postcolonial Theory and Literature: PR: Grade of "C" (2.0) or better required in ENC 3014. Focus on the nature of colonial discourse, the strength of postcolonial rewritings, and the relationship of postcolonial theory to other theories. Occasional.

LIT 3383 CAH-ENG 3(3,0) Modern Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS: Essays, short stories, plays, poetry, diaries, and novels. Honors content. Occasional.

LIT 3385 CAH-ENG 3(3,0) Translated Chinese Poetry: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Chinese poetry in English translation, either as a survey or with focus on particular periods, movements, or styles. Occasional.

LIT 3390 CAH-ENG 3(3,0) Translated Modern Chinese Novels: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Chinese novels in English translation from the modern and contemporary periods. Occasional.

LIT 3391 CAH-ENG 3(3,0) Topics in World Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Themes, models, and genres from literature outside of the U.S. May be repeated for credit only if content is different. Occasional.

LIT 3392 CAH-ENG 3(3,0) 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. May be repeated for credit only if content is different. Occasional.

LIT 3393 CAH-ENG 3(3,0) Literature and Law: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Reading, analysis, and discussion of law, crime, and punishment in literature from historical or contemporary perspectives. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 3393H CAH-ENG 3(3,0) Honors Literature and Law: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS: Essays, short stories, plays, poetry, diaries, and novels. Honors content. Occasional.

LIT 3394 CAH-ENG 3(3,0) Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.

LIT 3394H CAH-ENG 3(3,0) Honors Literature of AIDS: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS: Essays, short stories, plays, poetry, diaries, and novels. Honors content. Occasional.

LIT 3422 CAH-ENG 3(3,0) Literature and Popular Culture: PR: ENC 1102. Analysis of media to determine popular values in the formation of popular cultural perceptions. Occasional.

LIT 4233 CAH-ENG 3(3,0) Postcolonial Theory and Literature: PR: Grade of "C" (2.0) or better required in ENC 3014. Focus on the nature of colonial discourse, the strength of postcolonial rewritings, and the relationship of postcolonial theory to other theories. Occasional.

LIT 4244 CAH-ENG 3(3,0) World Authors: PR: ENC 3014. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 3428 CAH-ENG 3(3,0) Literature & Popular Culture: PR: ENC 1102. Analysis of media to determine popular values in the formation of popular cultural perceptions. With Honors Content. Occasional.

MAC 1105H COS-MATH 3(3,0) Honors College Algebra: PR: Appropriate score on the UCF Math Placement exam, or MATH 1033 with a "C" (2.0) or better, 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 1105H COS-MATH 3(3,0) Honors College Algebra: PR: Appropriate score on the UCF Math Placement exam, or MATH 1033 with a "C" (2.0) or better, or C.I. Inequalities. High degree polynomials. Graphs, rational, logarithmic, and exponential functions. Systems of equations. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1106C COS-MATH 3(1,3) 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, and trigonometric functions) and conic sections, as well as solving systems of linear equations and inequalities, polynomial and rational functions. 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 higher, or C.I. The circle arc length, identities, trigonometric functions, inverse functions, applications to simple harmonic motion, function of angles, complete development of triangle solving; Prepares students for upper level mathematics. The "NC" grading policy applies to this course. Occasional.

MAC 1140C COS-MATH 3(1,3) Pre-Calculus Algebra: 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 1140C with a C (2.0) or better, and permission of Honors. Polynomial, rational, exponential, logarithmic, and piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The "NC" grading policy applies to this course. Occasional.

MAC 2147 COS-MATH 5(5,0)
Mathematics for Calculus: PR: Solid background in algebra and 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 2233 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. For students with good mathematical knowledge of fundamentals who 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 2111C 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 1141C with a grade of C (2.0) or better, or a score of 3 or better on the Calculus AB Advanced Placement Exam, or a score of 3 or better on the Calculus BC Advanced Placement Exam, or a 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 2311C or MAC 2311C. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2111H 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 1141C with a grade of C (2.0) or better, or a score of 3 or better on the Calculus AB Advanced Placement Exam, or a score of 3 or better on the Calculus BC Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. The "NC" grading policy applies to this course. With Honors content, Fall, Spring.

MAC 2131 COS-MATH 4(4,0)
Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2132, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stokes' Theorem. Fall, Spring.

MAC 2132 COS-MATH 4(4,0)
Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2131, or a score of 5 on the Calculus AB Advanced Placement Exam, and permission of Honors. Differentiation and integration of transcendental, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates, infinite sequences and series. With Honors content. Fall, Spring.

MAC 2131H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2132, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stokes' Theorem. Fall, Spring.

MAC 2132H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2131, or a 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 2130 COS-MATH 4(4,0)
Differential Equations: PR: MAC 2311 or 2312. Solution methods and applications of ordinary differential equations. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2131H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2132, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stokes' Theorem. Fall, Spring.

MAC 2104 COS-MATH 3(3,0)
Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structures. Fall, Spring.

MAC 2403 COS-MATH 3(3,0)
Introduction to Combinatorics: PR: MAC 2312, and either MHF 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations, multisets; recurrence relations and generating functions; combinatorial designs; the Pólya theory of counting. Fall.

MAC 3401 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 2001 ED-TL&L 4(3,1)
Elementary Mathematics for Teaching I: PR: MAC 1105C or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, fundamental operations, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAC 3310 ED-TL&L 3(3,0)
Elementary Mathematics for Teaching II: PR: MAC 3310 with a "C" (2.0) or better. This course will address pedagogical content knowledge for teaching whole number concepts and operations, integer concepts, geometry and algebraic reasoning. Fall, Spring.

MAC 3311 ED-TL&L 3(3,0)
Elementary Mathematics for Teaching: PR: MAC 3310 with a "C" (2.0) or better. This course will address pedagogical content knowledge for teaching whole number concepts and operations, measurement, and algebraic reasoning. Fall, Spring.

MAC 4300 ED-TL&L 3(3,0)
Math Curriculum and Assessment in Early Childhood: PR: EEC 4601, EEC 4207, or EEC 3041. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.

MAC 4326 ED-TL&L 3(3,0)
How Children Learn Mathematics: PR: MAC 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

MAC 4360 ED-TL&L 4(3,2)
Mathematics Instructional Analysis: PR: EDG 4034. 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.

MAC 4543 ED-TL&L 3(2,1)

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 planning and delivering mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESOL, and manipulatives is considered. Occasional.

MAE 5536 ED-TL&L 3(3,0)

MAE 5535 COS-MATH 3(3,0)
Post-Secondary Mathematics: PR: Graduate standing or C.I. Mathematics appropriate for the senior level and applied mathematics appropriate for applications to business analysis. Not open to students with credit in MAE 5336 or MAE 5534. Topics will be selected from issues which are faced by teachers of collegiate mathematics. Fall, Spring.

MAN 3025 BA-MAN 3(3,0)
Management of Organizations: PR: Junior standing or senior standing or C.I. The course will focus on issues which are faced by managers of formal organizations, including planning, organization, theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 3(3,0)
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)
Strategic Human Resource Management: PR: Admission to the Management major. Provides students with a complete, comprehensive review of the strategic importance of the essential human resource management concepts and techniques for any student majoring in Management. Fall, Spring.

MAN 3302 BA-MAN 3(3,0)

MAN 3354 BA-MAN 3(3,0)
Employee Training for Non-Business Majors: PR: MAN 3025. Employee training needs and programs as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. Occasional.

MAN 3520 BA-MAN 3(3,0)

MAN 4029 BA-MAN 3(3,0)
UCF Courses and Descriptions

MAN 4046 BA-MAN 3(3,0)
Teamwork, Collaboration, and Group Dynamics: PR: Admission to the Management major. Examination of concepts related to teams and group dynamics, and development of an understanding of how to become an effective team member, leader, and designer. Fall, Spring.

MAN 4101 BA-MAN 3(3,0)
Human Relations in Management: PR: Admission to the 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 4143 BA-MAN 3(3,0)
Leadership Development: PR: Admission to the Management major. Provides a foundation on the leadership development process and the impact leaders can have on individuals, groups, and organizations. Fall, Spring.

MAN 4209 BA-MAN 3(3,0)
Designing Dynamic Organizations: PR: Admission to the Management major. Explores how innovative organizational design represents an important source of competitive advantage for organizations of all types. 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 Resource 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 4329 BA-MAN 3(3,0)
Business Analytics in Human Resource Management: PR: Admission to the Management major. Processes, methodologies, infrastructure, and current practices used to transform data from many sources into useful information for human resource management and decisions. 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)
Performance Management: PR: Admission to the Management major. The manager of worker performance through the training and development activities delivered by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4401 BA-MAN 3(3,0)
Labor Relations Management: PR: Management major, Junior standing, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieve win-win-management cooperation. Occasional.

MAN 4441 BA-MAN 3(3,0)

MAN 4532 BA-MAN 3(3,0)
Introduction to Collaborative Design: PR: Senior standing and C.I. Business students will team with engineering students to obtain hands on experience at solving real world design problems in a team based environment. Fall, Spring.

MAN 4583 BA-MAN 3(3,0)
Project Management: PR: GEB 3301 and MAN 3325. Foundations of project management in assisted business organizations (large/small, manufacturing/service for profit, not for profit). Covers all project phases from initiation to termination. Occasional.

MAN 4600 BA-MAN 3(3,0)
International Management: PR: Approved major or minor, MAN 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, MAN 3025. This course applies the ethics dimension to business decisions in today's complex political, social, economic and technological environment. Fall, Spring.

MAN 4720 BA-MAN 3(3,0)
Strategic Management: PR: MAN 3025, MAR 3025, FIN 3403 and GEB 3031. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. Fall, Spring.

MAN 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 1.5(1.5,0)
Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.

MAN 5050 BA-MAN 2(2.0)

MAN 5676 BA-MAN 3(3,0)

MAP 2302 COS-MATH 3(3,0)
Ordinary Differential Equations I: PR: Grade of “C” (2.0) or better in MAN 3301, and permission of Honors. Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. Fall, Spring.

MAP 2302H COS-MATH 3(3,0)
Honors Differential Equations: PR: Grade of “C” (2.0) or better in MAN 3301, 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 3428H COS-MATH 3(3,0)

MAP 3923 COS-MATH 1(1,0)
Frontiers in Mathematical Research: Collection of Research Talks: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 4103 COS-MATH 3(3,0)
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 integral representations, generating functions, recurrence relations and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. Occasional.

MAP 5435 COS-MATH 3(3,0)
Advanced Mathematics for Engineers: PR: 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 status or senior standing or C.I. Equations of motion in inviscous and viscous fluids, energy equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. Occasional.

MAP 5931 COS-MATH 1(1,0)
Research Seminar: PR: Graduate status or senior standing or C.I. Mathematics seminar. Students present their projects and discuss current developments in mathematics. Fall, Spring.

MAR 3023 BA-MAR 3(3,0)
Marketing: PR: Completion of each course in the Business common program prerequisites with a C (2.0) or better. Study of how firms create and communicate value in order to build and maintain customer relationships while benefiting the organization and its stakeholders. Fall, Spring.

MAR 3023H BA-MAR 3(3,0)
Honors Marketing: PR: Completion of each course in the Business common program prerequisites with a C (2.0) or better, and consent of the Honors College. Study of how firms create and communicate value in order to build and maintain customer relationships while benefiting the organization and its stakeholders. Fall, Spring.

MAR 3023H BA-MAR 3(3,0)
Supply Chain and Operations Management: PR: Completion of each course in the Business common program prerequisites with a C (2.0) or better, and consent of the Honors College. Study of the planning and management of all activities involved in processes, assets, and flows of materials and information to meet customers’ needs. Fall, Spring.

MAR 3023H BA-MAR 3(3,0)
Honors Supply Chain and Operations Management: PR: Completion of each course in the Business common program prerequisites with a C (2.0) or better, and consent of the Honors College. Study of the planning and management of all activities involved in processes, assets, and flows of materials and information to meet customers’ needs. Fall.

MAR 3323 BA-MAR 3(3,0)
Integrative Marketing Communication: PR: Marketing Minor and MAR 3023 with a grade of C (2.0) or better. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs. Fall, Spring.

MAR 3391 BA-MAR 3(3,0)
Professional Selling: PR: Admission to the Marketing major, or other business major and meet all GPA requirements for admission to the Marketing major. The communication processes that form the basis of professional selling to businesses and to individuals. Focus is on applied exercises and role-play situations. Fall, Spring.

MAR 3391H BA-MAR 3(3,0)
Honors Professional Selling: PR: MAR 3023 with a grade of C (2.0) or better, consent of Honors. The communication processes that form the basis of professional selling to business and to individuals. Focus is on applied exercises and role-play situations. Occasional.

MAR 3403 BA-MAR 3(3,0)
Sales Force Management: PR: MAR 3023 with a grade of C (2.0) or better. Core Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Fall, Spring.

MAR 3407 BA-MAR 3(3,0)
Contemporary Selling: PR: Admission to the Integrated Business major or Marketing minor, and MAR 3203 with a grade of C (2.0) or better. Study of the professional selling process. Focus is primarily on Business-to-Business customers. Fall, Spring.

MAR 3503 BA-MAR 3(3,0)
Customer Behavior: PR: Admission to the Marketing major. Individuals, groups, or organizations and the processes utilized to select, secure, use, and dispose of products, services, or experiences to satisfy consumer needs and wants. Fall, Spring.

MAR 3611 BA-MAR 3(3,0)
Marketing Analysis and Research Methods: PR: Marketing Minor and MAR 3023 with a grade of C (2.0) or better. Study of the analytical tools and research methods used by marketers to make more effective decisions. Fall, Spring.

MAR 3613 BA-MAR 3(3,0)
Marketing Research: PR: MAR 3615 with a grade of C (2.0) or better. The acquisition of information using various marketing research methods, as well as the application of results to marketing decision making. Fall, Spring.

MAR 3615 BA-MAR 3(3,0)
Marketing Analysis: PR: Admission to the Marketing major. Study of analytic methods, tools, processes, and technologies that enable marketers to evaluate the success of marketing activities and initiatives. Fall, Spring.

MAR 3641 BA-MAR 3(3,0)
Marketing Intelligence: PR: Marketing Minor and MAR 3023 with a grade of C (2.0) or better. Contemporary sources and applications of information concerning external forces impacting marketing decision making. Occasional.

MAR 3721 BA-MAR 3(3,0)
Digital Media Marketing: PR: Admission to the Marketing major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.

MAR 3765 BA-MAR 3(3,0)
Entrepreneurial Marketing: PR: Marketing minor or admission to the Entrepreneurship track of the Entrepreneurship minor for business majors or non-business majors, and MAR 3023 with a grade of C (2.0) or better. Exploration of how marketing and entrepreneurship affect and are affected by one another. Fall, Spring.

MAR 4156 BA-MAR 3(3,0)
International Marketing: PR: Marketing Minor and MAR 3023 with a grade of C (2.0) or better. Investigates strategy, policy and the variables relevant to international marketing decisions. Occasional.

MAR 4231 BA-MAR 3(3,0)
Retailing Management: PR: Marketing Minor and MAR 3023 with a grade of C (2.0) or better. The field of retailing. Emphasis on planning for profitability through demand forecasting, inventory control, customer relationship management and brand leadership. Occasional.

MAR 4413C BA-MAR 3(2,3)
Strategic Issues in Selling: PR: MAR 4415C with a grade of C (2.0) or better. Advanced study of selected contemporary strategic issues in selling and sales management. Occasional.

MAR 4415C BA-MAR 3(2,3)
Advanced Professional Selling: PR: Admission to the professional selling program. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. Occasional.

MAR 4418 BA-MAR 3(3,0)
Strategic Sales Force Management: PR: Completion of the Marketing major and the Professional Selling Track, and MAR 3391 with a grade of C (2.0) or better. Study of the effective strategic management of contemporary sales forces. Emphasis on sales program formulation, implementation, and control, with a focus on strategy. Fall, Spring.

MAR 4711 BA-MAR 3(3,0)
Sport Marketing: PR: Marketing Minor and MAR 3023 with a grade of C (2.0) or better. Marketing as it applies to the sport and leisure industry. Occasional.

MAR 4712 BA-MAR 3(3,0)
Healthcare Marketing: PR: Marketing Minor and MAR 3023 with a grade of C (2.0) or better. Marketing as it applies to healthcare marketers, intermediaries and providers. Occasional.

MAR 4715 BA-MAR 3(3,0)
Entertainment Marketing: PR: Marketing Minor and MAR 3023 with a grade of C (2.0) or better. Study of the application of marketing theory and tools to the marketing of products and services in the entertainment industry. Occasional.

MAR 4803 BA-MAR 3(3,0)
Marketing Management: PR: Marketing Minor and MAR 3611 with a grade of C (2.0) or better. Planning, organizing, implementing, and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.

MAR 4804 BA-MAR 3(3,0)
Marketing Strategy: PR: MAR 3613 with a grade of C (2.0) or better. Marketing issues are explored, with emphasis on strategy formulation and integrative marketing decision making. Fall, Spring.

MAR 4832 BA-MAR 3(3,0)
Product Management: PR: MAR 3613 with a grade of C (2.0) or better. Study of the theory and practice of managing innovation and product design, testing, branding, and introduction of new products. Fall, Spring.

MAR 4840 BA-MAR 3(3,0)
Fundamentals of Services Marketing: PR: Admission to the Integrated Business major. Study of marketing decision making in services sectors. Primary focus is on the unique aspects of services that impact marketing decision making in small and medium-size enterprises. Occasional.

MAR 4841 BA-MAR 3(3,0)
Services Marketing: PR: Admission to the marketing major. Examination of marketing in services industries, with particular emphasis on unique aspects of services marketing, the service marketing mix, and the implementation of services strategies. Fall, Spring.

MAR 4934 BA-MAR 3(3,0)
Contemporary Marketing Topics in Florida: PR: Marketing major or minor, and application to and approval by the Department of Marketing. Provides student with supervised, market-related work experience in a sponsoring organization. Application and approval required. Fall, Spring.

MAS 3105 MATH 414(0)
Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrices, determinants, vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms. Fall, Spring.
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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 over Rn (linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms, with Honors content. Fall.

MAS 3106 COS-MATH 4(4,0)
Linear Algebra: PR: MHF 3302 and MAC 2312, 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 3106, or C.I. Sets and mappings, groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, groups actions, the class equation, Sylow theorems, and rings. Fall.

MAS 4302 COS-MATH 3(3,0)
Abstract Algebra II: PR: MAS 4301 or C.I. Advanced topics in abstract algebra, including ring theory and field theory, introduction to category theory. Spring.

MAS 4504 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 4031 or graduate standing or C.I. Sets and categories, groups and groupoids, group actions, the class equation, Sylow theorems, Jordan-Hölder Theorem, Rings, Modules, Complexes, Factorization, and Irreducibility. Fall.

MAT 1033C COS-MATH 3(1,3)
Intermediate Algebra: PR: MAS 4031 or C.I. Methods for solving problems in a wide variety of mathematical fields, with an emphasis on proper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. Fall.

MAT 1272 COS-MATH 3(3,0)
Scientific Computing: PR: MAC 2311 or MAC 2312, 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 COS-BBBS 3(3,0)
The Invisible World: Introduction to microbes, their beneficial and detrimental activities, and their importance to our everyday lives. Fall.

MCB 1310 COS-BBBS 3(3,0)
Introduction to Biotechnology and Genetic Engineering: Introduction to genetics, laws, principles, foundations, scientific methods of genetic engineering & biotechnology and their applications in agriculture, environment and human health. Fall, Spring.

MCB 2004C COM-BBBS 4(3,2)
Microbiology for Health Professionals: PR: BSC 2010C, CHM 1032 or CHM 2045C. A survey of microbiology for the health professional. Spring. M&S fee $53.00

MCB 3020C COM-BBBS 5(3,4)
General Microbiology: PR: BSC 2010C, CHM 2046, or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structure and function, metabolism, growth, genetics, virology, environmental control, ecology, pathogenicity, and laboratory techniques. Fall, Spring. M&S fee $53.00

MCB 3020C COM-BBBS 5(3,5)
Honors General Microbiology: PR: BSC 2010C, C.I. Concepts of the mechanisms that define the functioning and regulation of pathogenic and eukaryotic cell metabolism. Fall.

MCB 4414 COM-BBBS 3(3,0)
Microbial Metabolism: PR: BSC 3403. Interrelationship between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall, Spring.

MCB 4920C COM-BBBS 3(1,4)
Methods in Biotechnology: PR: BSC 3403C. Fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional. M&S fee $70.00

Methodology in Biomedical Sciences Instruction: PR: MCB 3020C or PCB 3322, or PCB 3703 or ZOO 3733 or MCB 3020C, and C.I. Reinforces 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.

M&C 4920H COM-BBBS 3(1,4)
Honors Group Effort Applied Research (GEAR): PR: BSC 3403C and Consent from Honors. 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.

M&C 4944 COM-BBBS 3(3,0)
Bacterial Genetics and Physiology: PR: PCB 3322. Basic principles of microbial genetic analysis emphasizing how microbial genetic approaches are used to understand fundamental physiological processes in bacteria. Spring.

MCB 4940 COM-BBBS 3(3,0)
Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.

MCB 5208 COM-BBBS 3(3,0)
Cellular Microbiology: Host-Pathogen Interactions: PR: 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.
Cellular Metabolism: Biotechnology MS students. Learning concepts of basic molecular virology: MCB 5505 COM-BSBS 3(3,0) and pathogenesis. Prion disease, virus-host interaction, genome replication in-depth overview of the fundamental aspects and current metabolism. Functioning and regulation of prokaryotic and eukaryotic cell human populations.

Molecular Virology: MCB 5505 COM-BSBS 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 virus, virus-host interaction, genome replication and pathogenesis. Occasional.

Cellular Metabolism: PR: Graduate standing or C.I. Basic concepts of the mechanisms that define the functioning and regulation of prokaryotic and eukaryotic cell metabolism. Fall.

Molecular Biology of Disease: MCB 5505 COM-BSBS 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 virus, virus-host interaction, genome replication and pathogenesis. Occasional.

Applied Microbiology: PR: MCB 3020C or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics. Occasional.

Methods in Biotechnology: MCB 5720C COM-BSBS 4(2,4) Methods in Biotechnology: PR: Admission to the MLS program. A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional. M&S fee $70.00.

Cellular Metabolism: 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.

The Earth’s Climate: MGBT 2104 COM-BSBS 3(3,0) The Earth’s Climate: History, physics and dynamics of the Earth’s climate. Odd Fall, Spring.

Finite Mathematics: MGF 1106 COM-BSBS 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 COM-BSBS 3(3,0) Explorations in Mathematics: 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.


MGF 4404 COM-BSBS 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.

MHC 4934 COS-MATH 3(3,0) Topics in Foundations and History of Mathematics: PR: MHC 3022 and MHC 3105, 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.

MHS 2090 ED-CFCFS 3(3,0) Introduction to Human Services: An overview of the field of human services including roles, boundaries and ethical issues. The course introduces students to the operation of human service agencies. Fall, Spring.

MHS 2330 ED-CFCFS 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.


MHS 3052 ED-CFCFS 3(3,0) Helping Skills for Human Service Providers: PR: MHS 2330. Focuses on the interpersonal skills necessary to the practice of the human service industry. Emphasis on motivating and supporting clients who are experiencing challenging situations. Spring.


MHS 5005 ED-CFCFS 3(3,0) Introduction to the Counseling Professions: PR: Completion of Phase II of Education Professional Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MLS 3220C COM-BSBS 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.

MLS 3305 COM-BSBS 3(3,0) Advanced Clinical Chemistry I Lab: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow. Spring.

MLS 3305L COM-BSBS 1(0,6) Hematology Lab: PR: CHM 3330. Advanced laboratory procedures routinely performed for analyzing hematologic abnormalities. Spring.

MLS 3705 COM-BSBS 3(3,0) Concepts in Education/Management: PR: Admission to the professional phase of the MLS Program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. Spring.

MLS 4334 COM-BSBS 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.

MLS 4430C COM-BSBS 3(2,3) Clinical Parasitology: PR: MCB 3022C, CHM 2210, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of human parasites. Fall. M&S fee $46.00.

MLS 4460L COM-BSBS 1(0,6) Clinical Pathogenic Microbiology Lab: PR: Admission to the professional phase of the MLS program. CR: MCB 3203. Laboratory analysis of human pathogens from clinical samples to include bacteria and fungi. Spring. M&S fee $53.00.


MLS 4550 COM-BSBS 4(2,6) Clinical Immunohematology: PR: Admission to the professional phase of the MLS program or C.I. Investigation of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. Spring. M&S fee $70.00.

MLS 4625 COM-BSBS 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.

MLS 4625L COM-BSBS 1(0,3) Advanced Clinical Chem I Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee $70.00.

MLS 4630 COM-BSBS 3(3,0) Advanced Clinical Chemistry II: PR: CHM 2210, PCB 3703C or C.I. Correlation of laboratory tests to specific human disease states. Spring.

MLS 4830L COM-BSBS 4(0,8) Interpretive & Practical Clinical Chemistry: 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.

MLS 4831L COM-BSBS 4(0,8) Interpretive & Practical Immunohematology: PR: Admission to the MLS program. MLS 4625, MLS 4630. Instruction and practice of clinical hematology laboratory procedures at an off-campus affiliated hospital/clinical site. Fall.

MLS 4550L COM-BSBS 3(3,0) Interpretive & Practical Immunohematology: PR: Admission to the MLS program. MLS 4625, MLS 4630. Instruction and practice of clinical hematology laboratory procedures at an off-campus affiliated hospital/clinical site. Fall.

MLS 4833L COM-BSBS 4(0,8) Diagnostic Microbiology: Diagnostic Microbiology: PR: Admission to the MLS program. MLS 4625, MLS 4630. Instruction and practice of clinical immunohematology procedures at an off-campus affiliated hospital/clinical site. Fall.

MLS 4910 COM-BSBS 1(1,0) Introduction to Clinical Research: PR: MLS 3305, MLS 4625, MLS 4630. Introduction 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 Communication Law: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Legal rights and responsibilities of the mass media. Fall, Spring.


MMC 3410 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.
UCF Courses and Descriptions

MMC 3630 COS-COMM 3(3,0)  Social Media as Mass Communication: PR: Either SPC 1508, SPC 1603C, COM 1000, or C.I. Principles and practices of social media and its role in communicating to mass audiences. Occasional.

MMC 4263 COS-COMM 3(3,0)  New Media Technologies: PR: Majors only, RTV 3511. An examination of the technologies impacting the communications media environment and society. Occasional.

MMC 4300 COS-COMM 3(3,0)  International Media: PR: Junior standing or C.I. The student will analyze different communication systems from around the world. There will be at least six case studies from any of these areas - Asia, Latin American, Western Europe, Middle East, Africa. Occasional.

MMC 4411 COS-COMM 3(3,0)  Ad-PR Campaigns: PR: Ad-PR majors only; ADV 3008 and PUR 3000 and either PUR 3100 or ADV 4101, and either PUR 4941 or ADV 4941. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. Fall, Spring.

MMC 4602 COS-COMM 3(3,0)  Contemporary Media Issues: PR: RTV 3007 or C.I. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of journalists and practitioners with a practical orientation. Occasional.

MSL 1001C ECS-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 duties and responsibilities of officers, organization and MSL 1001C ECS-AROTC 2(1,1)  functions. May be repeated for credit.

MSL 2101C ECS-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.

MSL 2102C ECS-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.

MSL 3201C ECS-AROTC 4(3,1)  Leadership and Problem Solving: PR: Junior standing or C.I. Emphasizes problem solving and analyzes military missions and plan military operations; and executes squad battle drills. Fall.

MSL 3202C ECS-AROTC 4(3,1)  Leadership and Ethics: PR: MSL 3201C. Probes leadership responsibilities that foster an ethical command climate; develops cadet leadership competencies; applies principles and techniques of effective written and oral communication. Spring.

MSL 4301C ECS-AROTC 4(3,1)  Leadership and Management: PR: MSL 3202C. Discusses organization, functions, and processes; counseling; listening and group communication. 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. Fall.

MTG 4212 COS-MATH 4(4,0)  Modern Geometries: PR: MAC 2311C and MATH 3302. Sets of axioms and 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 Introduction to Differential Geometry: PR: MAC 2313 and MATH 3306, or C.I. Topics include curves and surfaces, differential manifolds, tangent space, differentials, curvature and torsion, connections, covariant differentiation, lie derivative, integration on manifolds, and Riemannian manifolds. Occasional.

MTG 4302 COS-MATH 3(3,0)  Introduction to Topology: PR: MATH 3302 and MATH 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: MATH 3306 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 and a vector field, geodesics, Gauss-Bonnet Theorem. Fall.

MTG 5256 COS-MATH 3(3,0)  Differential Geometry: PR: MAA 4227, graduate status or senior standing, or C.I. 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 MUC 1041 each with a grade of "C" (2.0) or better or C.I. Creative work in small forms. May be repeated for credit. Fall, Spring.

MUC 2104C CAH-MUSIC 2(1,1)  Composition II: PR: MUC 2101C or Music or composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit. Fall, Spring.

MUC 3105C CAH-MUSIC 3(1,1)  Composition III: PR: MUC 2104C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4106C CAH-MUSIC 4(1,1)  Composition IV: PR: MUC 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4950 CAH-MUSIC 0(0,0)  Special Topics: Credit: PR: MUC 4105C. Recital: Credit: PR: MUC 4105C. Curnling. public concert of works written while studying Composition I-V. Graded S/U. Odd Fall.

MUE 2040 CAH-MUSIC 2(0,2)  Introduction to Music Education: An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. Fall.

MUE 2211 ED-TL&L 3(3,0)  Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children. Occasional.

MUE 2346 CAH-MUSIC 1(0,2)  Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.

MUE 2440 CAH-MUSIC 1(0,2)  String Techniques: PR: MUED major, Junior standing or C.I. Class instruction in string playing and pedagogical techniques. Spring. M&S fee $30.00

MUE 2450 CAH-MUSIC 1(1,0)  Woodwind Techniques I: PR: MUED major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.

MUE 2460 CAH-MUSIC 1(0,2)  Brass Techniques: PR: MUED major, Junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.

MUE 2470 CAH-MUSIC 1(0,2)  Percussion Techniques I: PR: MUED major, Junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring. M&S fee $35.00

MUE 2471 CAH-MUSIC 1(1,1)  Percussion Techniques II: PR: MUE 2470 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today's instrumental music teachers. Odd Spring. M&S fee $35.00

MUE 3333 CAH-MUSIC 3(3,0)  Music Learning Theory and Assessment: PR: MUC 2040 with grade of "C" (2.0) or better. Learning theory and practical applications of assessment techniques as applied in the music classroom. Odd Spring.


MUE 3451 CAH-MUSIC 1(1,0)  Woodwind Techniques II: PR: MUC 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: MUC 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.

MUE 3993 CAH-MUSIC 2(2,0)  Technology in Music Education: PR: MUC 2040 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring. M&S fee $2.00

MUE 3942 CAH-MUSIC 3(3,0)  Music Internship I: PR: MUE 4311, MUE 3333, EDG 4410, TSL 4086, EDF 4603 and RED 4043. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded S/U. Fall, Spring.

MUE 4311 CAH-MUSIC 2(2,0)  Elementary School Music Methods: PR: Junior standing, MUED major. Organization and administration of instruction for comprehensive music education, K-6; instructional planning, techniques, and materials for elementary music education. Fall.

MUE 4331 CAH-MUSIC 3(3,0)  Secondary Choral Methods I: PR: MUE 2450 with grade of "C" (2.0) or better. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4332 CAH-MUSIC 3(3,0)  Secondary Choral Methods II: PR: MUC 4331 with a grade of "C" (2.0) or better. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4335 CAH-MUSIC 3(3,0)  Secondary Choral Methods III: PR: MUC 4335 with a grade of "C" (2.0) or better. Advanced study of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.
MUH 2040 CAH-MUSIC  3(3,0)

MUH 4011 CAH-MUSIC  3(3,0)
Evolution of Opera: PR: Consent of instructor. An introduction to opera, from its origins around 1600 until the present day. Fall, Spring.

MUH 4071 CAH-MUSIC  3(2,1)
Introduction to Music History and Literature: PR: MUE 4332, or C.I. Western Art Music of the 19th century. Study of European and American art music from the 19th century to the present, with emphasis on technical, formal and cultural contexts. Odd Fall.

MUH 5041 CAH-MUSIC  3(3,0)
Introduction to Music History and Literature II: PR: MUH 5040 or C.I. Western Art Music of the 19th century. Study of European and American art music from the 19th century to the present, with emphasis on technical, formal and cultural contexts. Odd Fall.

MUH 5071 CAH-MUSIC  3(3,0)

MUH 5111 CAH-MUSIC  3(3,0)
Music History and Literature I: PR: MUL 5124 and MUL 5125 with grade of "C" (2.0) or better. History of Western European art music from Antiquity to 1750. Fall, Spring.

MUH 5121 CAH-MUSIC  3(3,0)
Music History and Literature II: PR: MUE 5121 with grade of "C" (2.0) or better. History of Western European and American art music from 1750 to present day. Fall, Spring.

MUH 4218 CAH-MUSIC  1(1,0)

MUH 3222 CAH-MUSIC  3(3,0)
Medieval and Renaissance Music: PR: MUE 3211 and MUH 3212 with grade of "C" (2.0) or better. Music and culture of Western Europe in the era c. 450-1600. Even Fall.

MUH 4341 CAH-MUSIC  3(3,0)
Music of the Baroque: PR: MUE 3211 and MUH 3212 with grade of "C" (2.0) or better. Music and culture during the Baroque period, 1600-1750. Occasional.

MUH 4351 CAH-MUSIC  3(3,0)
Eighteenth-Century Music: PR: MUE 3211 and MUH 3212 with grade of "C" (2.0) or better. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.

MUH 4361 CAH-MUSIC  3(3,0)
Music of the 19th Century: PR: MUE 3211 and MUH 3212 with grade of "C" (2.0) or better. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC  3(3,0)
Music Since 1900: PR: MUE 3211 and MUH 3212 with grade of "C" (2.0) or better. Western art music since 1900. Odd Spring.

MUH 4814 CAH-MUSIC  3(3,0)
Jazz Styles and Analysis: PR: MUE 4371 and MUE 5125 with grade of "C" (2.0) or better. Historical style periods and master artists in jazz music. Even Spring.

MUH 5326 CAH-MUSIC  3(3,0)
Medieval and Renaissance Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 450-1600. Occasional.

MUH 5345 CAH-MUSIC  3(3,0)
Music of the Baroque: PR: Graduate standing in music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Even Spring.

MUH 5356 CAH-MUSIC  3(3,0)
Music of the 19th Century: PR: Graduate standing in Music or C.I. Western Art Music of the 19th Century. Odd Fall.

MUH 5356 CAH-MUSIC  3(3,0)
Eighteenth-Century Music: PR: Graduate standing in Music Education or C.I. Music and culture of Western Europe in the era c. 1700-1800. Occasional.

MUH 5665 CAH-MUSIC  3(3,0)
Development of Opera: PR: Graduate standing in Music or C.I. An in-depth examination of Western European opera, from its origins around 1600 until the present day. Even Spring.

MUH 5816 CAH-MUSIC  3(3,0)
Jazz Styles and Analysis: PR: Graduate standing or consent of instructor. Study of jazz style periods and master artists in jazz music. Odd Fall.

MUL 2010 CAH-MUSIC  3(2,1)
Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.

MUL 2014 CAH-MUSIC  3(3,0)
Introduction to Music History and Literature: PR: MUE major or C.I. Musical memories and cultures from the Western art music tradition, American jazz, and non-western music. Odd Spring.

MUL 2016 CAH-MUSIC  3(3,0)
Evolution of Jazz: Survey of jazz literature and performance. Fall, Spring.

MUL 2720 CAH-MUSIC  3(3,0)

MUL 2721 CAH-MUSIC  3(3,0)
Survey of Latin American Music: Survey of Latin American music, including musical traditions as well as historical and cultural connections. Occasional.

MUL 3381 CAH-MUSIC  3(3,0)
Contemporary Popular Music: PR: MUL 2010 or MUL 1122 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. Spring.

MUL 3400 CAH-MUSIC  2(1,1)
Piano Literature I: PR: Major in Music or C.I. Survey of stringed keyboard literature from the 16th century to the present, with emphasis on technical, formal and performance problems. Odd Fall.

MUL 3401 CAH-MUSIC  2(1,1)

MUL 3463 CAH-MUSIC  2(2,0)

MUL 3602 CAH-MUSIC  3(3,0)
Song Literature: PR: MUL 2014 or C.I. Classical song repertoire in English and common foreign languages, and proven methods of effective song study. Odd Fall.

MUL 4437 CAH-MUSIC  3(3,0)

MUL 4438 CAH-MUSIC  3(3,0)
Guitar Literature and Pedagogy: PR: MUS 2426 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. Odd Fall.

MUL 4443 CAH-MUSIC  3(3,0)

MUL 4444 CAH-MUSIC  3(3,0)

MUL 4552 CAH-MUSIC  3(3,0)
Band Literature: PR: MUE 1122 and MUL 2014, or C.I. Survey of materials for use in the public school band classroom, including beginning band methods, technique books, and musical selections appropriate for concert performance. Fall.

MUL 4643 CAH-MUSIC  3(3,0)
Choral Literature: PR: "C" (2.0) or better in MUE 3211 and MUH 3212, or C.I. Choral music from its beginnings to the present with consideration of historical perspective; genres, styles, and performance practice, major composers, and representative works. Fall.
UCF Courses and Descriptions
MUL 5436
CAH-MUSIC
3(3,0)
Guitar Literature and Pedagogy: PR: Graduate
standing in Music or C.I. Survey of significant repertoire and
pedagogy for classical guitar. Odd Spring.
MUL 5439
CAH-MUSIC
3(3,0)
String Literature and Pedagogy: PR: Graduate
standing in Music or C.I. Study of string literature from the
Baroque period to the 20th century, along with prominent
pedagogical principles. Odd Fall.

MUN 3323
CAH-MUSIC
1(0,3)
Women’s Chorus: PR: Audition and C.I. Study and
performance of music for women’s voices. Open to all
students. May be repeated for credit. Fall,Spring. M&S
fee $20.00
MUN 3343L
CAH-MUSIC
1(0,3)
Chamber Singers: PR: C.I. A chamber choir of
advanced singers. Open to all students by audition.
Additional rehearsals and commitments required. 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 3423
CAH-MUSIC
1(0,2)
Woodwind Ensemble: PR: C.I. Open to all students.
Study and performance of music for small ensembles. May
be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 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

MUL 5448
CAH-MUSIC
3(3,0)
Brass Literature and Pedagogy: PR: Graduate
standing in Music or C.I. Significant brass repertoire, study
materials and a review of teaching techniques for artistic
brass performance. Even Fall.

MUN 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 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

MUL 5555
CAH-MUSIC
3(3,0)
Band Literature: PR: Graduate standing or C.I. Survey
of materials for use in the public school band classroom,
including beginning band methods, technique books, and
musical selections appropriate for concert performance.
Occasional.

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 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

MUL 5645
CAH-MUSIC
3(3,0)
Choral Literature: PR: Graduate standing or C.I.
Survey of choral music from its beginnings to the present
with consideration of historical perspective; genres,
styles and performance practice; major composers and
representative works. Occasional.

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

MUM 5806
CAH-MUSIC
3(3,0)
Performing Arts Management: PR: Graduate
standing or senior standing or C.I. Structure of nonprofit
performing arts organization (PAOs), examining the
fundamental elements of administration, audience
development, marketing, and fund-raising. Spring.

MUN 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

MUL 5447
CAH-MUSIC
3(3,0)
Woodwind Literature and Pedagogy: PR:
Graduate standing in Music or C.I. Major works written
for woodwind instruments, as well as the study of the
basic concepts and techniques fundamental to teaching
woodwind instruments. Odd Spring.

MUN 2442
CAH-MUSIC
1(1,0)
Percussion/Mallet Ensemble: PR: C.I. Preparation
and performance of music for percussion with mallets. May
be repeated for credit. Fall. M&S fee $30.00
MUN 3113
CAH-MUSIC
2(0,8)
Marching Band: PR: Admission by audition.
Preparation for appearance at football games and special
occasions. May be repeated for credit. Fall. M&S fee
$37.00
MUN 3123L
CAH-MUSIC
1(0,3)
Concert Band: PR: C.I. No audition required and open
to all majors. Study and performance of music for large
ensembles. May be repeated for credit. Fall,Spring. M&S
fee $20.00
MUN 3133
CAH-MUSIC
1(0,4)
Symphonic Band: PR: Open to all students by
audition. Auditioned performance ensemble that presents
multiple concerts each semester and performs a variety of
musical literature for winds and percussion. Fall,Spring.
M&S fee $20.00
MUN 3143
CAH-MUSIC
1(0,4)
Wind Ensemble: PR: Open to all students by audition.
Study and performance of music for wind ensemble and
band. May be repeated for credit. Fall,Spring. M&S
fee $20.00
MUN 3283
CAH-MUSIC
1(0,5)
Symphony Orchestra: PR: Audition. Open to all
students by audition. Rehearsal and performance of works
from the symphonic repertoire. May be repeated for credit.
Fall,Spring. M&S fee $20.00
MUN 3313
CAH-MUSIC
1(3,0)
University Chorus: PR: C.I. Open to all students by
audition. Study and performance of large ensemble music.
Possible tours. May be repeated for credit. Fall,Spring.
M&S fee $20.00

MUN 3437
CAH-MUSIC
1(1,0)
Trumpet Ensemble: PR: C.I. Rehearsal and
performance of music for trumpet ensembles. May be
repeated for credit. Occasional. M&S fee $20.00
MUN 3443
CAH-MUSIC
1(0,2)
Percussion Ensemble: PR: C.I. Open to all students.
Study and performance of music for small ensembles. May
be repeated for credit. Fall,Spring. M&S fee $35.00
MUN 3444
CAH-MUSIC
1(1,0)
Mallet Ensemble: PR: C.I. Preparation and
performance of music for mallet ensemble. May be repeated
for credit. Fall,Odd Spring. M&S fee $35.00
MUN 3453
CAH-MUSIC
1(0,3)
Piano Ensemble: PR: Open to Music Majors or C.I.
Study and performance of music for small ensembles. May
be repeated for credit. Fall,Spring. M&S fee $20.00
MUN 3483
CAH-MUSIC
1(0,2)
String Ensemble: PR: C.I. Open to all students. Study
and performance of music for small ensembles. May be
repeated for credit. Fall,Spring. M&S fee $20.00
MUN 3487
CAH-MUSIC
1(0,2)
Guitar Ensemble: PR: Audition or C.I. Study and
performance of music for multiple guitars. May be used in
the degree program a maximum of 8 times. Odd Spring.
M&S fee $20.00

MUN 5368L
CAH-MUSIC
1(0,3)
Graduate Madrigal Singers: PR: Graduate standing
in Music Education and C.I. Study of varied literature for
small vocal ensembles. May be used in the degree program
a maximum of 5 times. Occasional. M&S fee $20.00
MUN 5385L
CAH-MUSIC
1(0,3)
Graduate University Chorus: PR: Graduate
standing in Music Education and C.I. Study and performance
of large ensemble music. May be used in the degree
program a maximum of 5 times. Occasional. M&S fee
$20.00
MUN 5445
CAH-MUSIC
1(0,2)
Percussion Ensemble: PR: Open to all graduate
students by audition. Study and performance of music for
small percussion ensembles. May be used in the degree
program a maximum of 4 times. Odd Fall. M&S fee
$35.00
MUN 5465L
CAH-MUSIC
1(0,2)
Graduate Chamber Music: PR: Graduate standing
in Music Education and C.I. The study and performance
of vocal and/or instrumental chamber ensemble literature.
Flexible instrumentation to meet student needs. May be
used in the degree program a maximum of 5 times.
Occasional. M&S fee $20.00
MUN 5478L
CAH-MUSIC
1(0,3)
Early Music Ensemble: PR: Graduate standing
in Music Education and C.I. Graduate ensemble
experience with instruments and repertoire of the Medieval,
Renaissance, and Baroque periods. May be used in the
degree program a maximum of 5 times. Occasional.
M&S fee $5.00
MUN 5715L
CAH-MUSIC
1(0,4)
Jazz Ensemble: PR: Audition, graduate or senior
standing, and C.I. Study and performance of jazz big band
music. May be used in the degree program a maximum of
4 times only when course content is different. Fall,Spring.
M&S fee $20.00

MUN 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 5716L
CAH-MUSIC
1(0,2)
Jazz Chamber Group: PR: Audition, graduate
standing or senior standing, and C.I. Study and performance
of jazz small group music. May be used in the degree
program a maximum of 4 times. Fall,Spring. M&S fee
$20.00

MUN 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

MUO 2501C
CAH-MUSIC
2(1,1)
Opera Skills: PR: Open to all students by audition.
Integration of singing, acting, and movement in opera;
explores basic stage movement, character preparation, and
performance of opera arias. Fall.

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

MUO 3503L
CAH-MUSIC
1(0,3)
Opera Workshop: PR: MUO 2501C, or C.I., and
audition. Study, preparation, and performance of opera
literature. May be used in the degree program a maximum
of 8 times. Occasional. M&S fee $70.00

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MUS 1010 CAH-MUSIC 0(9,2)
Music Forum: A series of special musical events requiring music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. Fall, Spring.

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. Odd 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 $16.00

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 S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 4320 CAH-MUSIC 3(3,0)
Music Business and Industry: PR: MUS 2360C with a grade of 'C' (2.0) or better. Today's music industry copyright, publishing, contracts and licensing. Odd Fall.

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 ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. Occasional.

MUS 4905 CAH-MUSIC 1(4-14)
Directed Experience: PR: C.I. and junior standing. Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 4954 CAH-MUSIC 0(1,0)
Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 5365 CAH-MUSIC 3(3,0)
Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. Occasional.

MUT 1004 CAH-MUSIC 3(3,0)
Fundamentals of Music I: Basic music theory and reading music. Fall.

MUT 1121 CAH-MUSIC 4(2,3)
Music Theory and Musicianship I: PR: MUT 1004 or C.I. Studies in music theory, both written and oral skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 1122 CAH-MUSIC 4(2,3)
Music Theory and Musicianship II: PR: MUT 1121 with a grade of 'C' (2.0) or better. Continuation of MUT 1121. Studies in music theory, both written and oral skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2126 CAH-MUSIC 4(2,3)
Music Theory and Musicianship III: PR: MUT 1122 with a grade of 'C' (2.0) or better. Continuation of MUT 1122. Studies in music theory, both written and oral skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2127 CAH-MUSIC 4(2,3)
Music Theory and Musicianship IV: PR: MUT 2126 with a grade of 'C' (2.0) or better. Continuation of MUT 2126. Studies in music theory, both written and oral 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 with a grade of 'C' (2.0) or better. 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 with a grade of 'C' (2.0) or better. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 3923 CAH-MUSIC 3(3,0)
Jazz Workshop: PR: MUT 3171 or C.I. Advanced study of 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 analytical skills. May be repeated for credit. Occasional.

MUT 4311 CAH-MUSIC 3(3,0)
Orchestration: PR: MUS 2360C and MUT 2127 with a grade of 'C' (2.0) or better. Technical and aesthetic principles of writing for instruments of the concert orchestra. Odd Spring.

MUT 4401 CAH-MUSIC 3(3,0)
Counterpoint: PR: MUT 2127 with a grade of 'C' (2.0) or better. Counterpuntal point 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 with a grade of 'C' (2.0) or better. 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: PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. Occasional.

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)
Secondary Trumpet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trumpet intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1212 CAH-MUSIC 1(0,1)

MVB 1213 CAH-MUSIC 1(0,1)

MVB 1214 CAH-MUSIC 1(0,1)

MVB 1215 CAH-MUSIC 1(0,1)
Secondary Tuba: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1411 CAH-MUSIC 2(1,1)
Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1412 CAH-MUSIC 2(1,1)
French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1413 CAH-MUSIC 2(1,1)
Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1414 CAH-MUSIC 2(1,1)
Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. 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)
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.
MVJ 1213 CAH-MUSIC 2(1,1) Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1214 CAH-MUSIC 2(1,1) Jazz Bass I: PR: Music major or C.I. Basic Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1219 CAH-MUSIC 2(1,1) Jazz Drum Set I: PR: Music major or C.I. Basic Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2220 CAH-MUSIC 2(1,1) Jazz Piano II: PR: MVJ 1010. Continuation of MVJ 1010. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2223 CAH-MUSIC 2(1,1) Jazz Guitar I: PR: MVJ 1213. Continuation of MVJ 1213. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2224 CAH-MUSIC 2(1,1) Jazz Bass II: PR: MVJ 1214. Continuation of MVJ 1214. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2229 CAH-MUSIC 2(1,1) Jazz Drum Set II: PR: MVJ 1219. Continuation of MVJ 1219. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3230 CAH-MUSIC 3(1,1) Jazz Piano III: PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3231 CAH-MUSIC 3(1,1) Jazz Guitar II: PR: MVJ 2223. Continuation of MVJ 2223. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3234 CAH-MUSIC 3(1,1) Jazz Bass III: PR: MVJ 2224. Continuation of MVJ 2224. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3339 CAH-MUSIC 3(1,1) Jazz Drum Set III: PR: MVJ 2229. Continuation of MVJ 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4240 CAH-MUSIC 4(1,1) Jazz Piano IV: PR: MVJ 3230. Continuation of MVJ 3230. Scale studies, arpeggios, chord voicings and other techniques included in advanced jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4243 CAH-MUSIC 4(1,1) Jazz Guitar IV: PR: MVJ 3233. Continuation of MVJ 3233. Scale studies, arpeggios, chord voicings and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4244 CAH-MUSIC 4(1,1) Jazz Bass IV: PR: MVJ 3234. Continuation of MVJ 3234. Advanced Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4349 CAH-MUSIC 4(1,1) Jazz Drum Set IV: PR: MVJ 3339. Continuation of MVJ 3339. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 5350C CAH-MUSIC 2(1,1) Jazz Piano V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz piano literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5353C CAH-MUSIC 2(1,1) Jazz Guitar V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz guitar literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5354C CAH-MUSIC 2(1,1) Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5359C CAH-MUSIC 2(1,1) Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5360C CAH-MUSIC 2(1,1) Secondary Piano: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in piano. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVK 1111 CAH-MUSIC 1(0,2) Class Piano I: Class instruction for beginning piano students. Not open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1112 CAH-MUSIC 1(0,2) Class Piano II: PR: MVK 1111 with grade of "C" (2.0) or better or C.I. Continuation of MVK 1111. Music majors only; not open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1211 CAH-MUSIC 1(0,1) Piano I: CR: Performing ensemble. Advanced instruction in piano. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVK 1411 CAH-MUSIC 2(1,1) Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 2121 CAH-MUSIC 1(0,2) Piano II: PR: MVK 1112 with grade of "C" (2.0) or better or C.I. Continuation of MVK 1121. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2122 CAH-MUSIC 1(0,2) Piano III: PR: MVK 2121 with grade of "C" (2.0) or better or C.I. Continuation of MVK 2121. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2421 CAH-MUSIC 2(1,1) Piano II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.

MVK 3431 CAH-MUSIC 2-3(1,1) Piano III: PR: MVK 2421 and competence determined by faculty jury. Continued study of performance skills of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVK 4441 CAH-MUSIC Piano IV: PR: MVK 3431 and competence determined by faculty jury. Intensive advanced performance study of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
MVK 4640 CAH-MUSIC  2(2,0)
Piano Pedagogy I: PR: MVK 1411 or C.I. Methods, materials, teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of procedures. May be used in the degree program a maximum of 2 times. Even Fall.

MVK 5451 CAH-MUSIC  2(1,0)
Piano V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVK 5650 CAH-MUSIC  2(2,0)
Piano Pedagogy: PR: Graduate standing in Music or C.I. Techniques, methods, and experiences of former and current pedagogues to equip students for current or future piano teaching. Even Spring.

MVO 5250 CAH-MUSIC  1(1,0)
Advanced Secondary Instruction: PR: Graduate status or senior standing, and C.I. Advanced instructional techniques on a secondary instrument or in voice. May be repeated for credit. Occasional.

MVP 1211 CAH-MUSIC  1(0,1)
Secondary Percussion: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in percussion. Intended for non-music majors. May be repeated for credit. Occasional. M&S fee $35.00

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: MVS 1411 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.

MVP 3431 CAH-MUSIC  2(3,1,1)
Percussion III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of percussion, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $35.00

MVP 3630 CAH-MUSIC  2(2,0)
Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups. Fall, Spring.

MVP 4441 CAH-MUSIC  4(1,1)
Percussion IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of percussion for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $35.00

MVP 5451 CAH-MUSIC  2(1,0)
Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVS 1211 CAH-MUSIC  1(0,1)

MVS 1212 CAH-MUSIC  1(0,1)

MVS 1213 CAH-MUSIC  1(0,1)

MVS 1214 CAH-MUSIC  1(0,1)

MVS 1216 CAH-MUSIC  1(0,1)

MVS 1411 CAH-MUSIC  2(1,1)
Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC  2(1,1)
Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC  2(1,1)
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC  2(1,1)
Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC  2(1,1)
Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1416 CAH-MUSIC  2(1,1)
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC  2(1,1)
Violin II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC  2(1,1)
Viola II: PR: MVK 1412 and competence determined by faculty jury. Continuation of MVK 1412. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC  2(1,1)
Cello II: PR: MVK 1413 and competence determined by faculty jury. Continuation of MVK 1413. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC  2(1,1)
Bass II: PR: MVK 1414 and competence determined by faculty jury. Continuation of MVK 1414. May be repeated for credit. Fall, Spring.

MVS 2425 CAH-MUSIC  2(1,1)
Harp II: PR: MVK 1415 and competence determined by faculty jury. Continuation of MVK 1415. May be repeated for credit. Fall, Spring.

MVS 2426 CAH-MUSIC  2(1,1)
Guitar II: PR: MVK 1416 and competence determined by faculty jury. Continuation of MVK 1416. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC  2(3,1,1)
Violin II: PR: MVS 2421 and competence determined by faculty jury. Continuation of MVS 2421. May be repeated for credit. Fall, Spring.

MVS 3432 CAH-MUSIC  2(3,1,1)
Violin I: PR: MVS 2422 and competence determined by faculty jury. Continuation of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3433 CAH-MUSIC  2(3,1,1)
Cello II: PR: MVS 2423 and competence determined by faculty jury. Continuation of performance skills of the cello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC  2(3,1,1)
Bass II: PR: MVS 2424 and competence determined by faculty jury. Continuation of performance skills of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC  2(3,1,1)
Harp III: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills of the harp, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3436 CAH-MUSIC  2(3,1,1)
Guitar III: PR: MVS 2426 and competence determined by faculty jury. Continued study of performance skills of the guitar, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3441 CAH-MUSIC  2(1,1)
Violin III: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3442 CAH-MUSIC  2(1,1)
Viola IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the viola, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3443 CAH-MUSIC  2(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 3444 CAH-MUSIC  2(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 3445 CAH-MUSIC  2(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 5451 CAH-MUSIC  2(1,0)
Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5452 CAH-MUSIC  2(1,0)
Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5453 CAH-MUSIC  2(1,0)
Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5454 CAH-MUSIC  2(1,0)
Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5455 CAH-MUSIC  2(1,0)
Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5456 CAH-MUSIC  2(1,0)
Guitar V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 1873 CAH-MUSIC  1(0,1)

MVS 2421 CAH-MUSIC  2(1,1)
Voice II: PR: MVK 1411 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVK 1411. Major in music or consent of chair; audition. Private and class lessons. May be repeated for credit 2 times. Fall, Spring.
UCF Courses and Descriptions

MVV 3431 CAH-MUSIC 2-3(1,1) Voice III: PR: MVV 2421 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4441 CAH-MUSIC 4(1,1) Voice IV: PR: MVV 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4640 CAH-MUSIC 2(2,0) Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

MVV 5451 CAH-MUSIC 2(1,0) Voice V: PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall, Spring.

MVV 5651 CAH-MUSIC 2(3,0) Voice Pedagogy: PR: Graduate standing in Music or C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer. Odd Spring.

MVV 1211 CAH-MUSIC 1(0,1) Secondary Flute I: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in flute. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVV 1212 CAH-MUSIC 1(0,1) Secondary Oboe I: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in oboe. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVV 1213 CAH-MUSIC 1(0,1) Secondary Clarinet I: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in clarinet. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVV 1214 CAH-MUSIC 1(0,1) Secondary Bassoon I: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bassoon. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVV 1215 CAH-MUSIC 1(0,1) Secondary Saxophone I: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in saxophone. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVV 1411 CAH-MUSIC 2(1,1) Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVV 1412 CAH-MUSIC 2(1,1) Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVV 1413 CAH-MUSIC 2(1,1) Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVV 1414 CAH-MUSIC 2(1,1) Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee $20.00

MVV 1415 CAH-MUSIC 2(1,1) Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVV 2421 CAH-MUSIC 2(1,1) Flute II: PR: MVV 1411 and competence determined by faculty jury. Continuation of MVV 1411. May be repeated for credit. Fall, Spring.

MVV 2422 CAH-MUSIC 2(1,1) Oboe II: PR: MVV 1412 and competence determined by faculty jury. Continuation of MVV 1412. May be repeated for credit. Fall, Spring.

MVV 2423 CAH-MUSIC 2(1,1) Clarinet II: PR: MVV 1413 and competence determined by faculty jury. Continuation of MVV 1413. May be repeated for credit. Fall, Spring.

MVV 2424 CAH-MUSIC 2(1,1) Bassoon II: PR: MVV 1414 and competence determined by faculty jury. Continuation of MVV 1414. May be repeated for credit. Fall, Spring. M&S fee $20.00

MVV 2425 CAH-MUSIC 2(1,1) Saxophone II: PR: MVV 1415 and competence determined by faculty jury. Continuation of MVV 1415. May be repeated for credit. Fall, Spring.

MVV 3431 CAH-MUSIC 2(3,1) Flute III: PR: MVV 2421 and competence determined by faculty jury. Continued study of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 3432 CAH-MUSIC 2(3,1) Oboe III: PR: MVV 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 3433 CAH-MUSIC 2(3,1) Clarinet III: PR: MVV 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 3434 CAH-MUSIC 2(3,1) Bassoon III: PR: MVV 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 3435 CAH-MUSIC 2(3,1) Saxophone III: PR: MVV 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4441 CAH-MUSIC 4(1,1) Flute IV: PR: MVV 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4442 CAH-MUSIC 4(1,1) Oboe IV: PR: MVV 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4443 CAH-MUSIC 2(1,1) Clarinet IV: PR: MVV 3433 and competence determined by faculty jury. Intensive study of performance of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4444 CAH-MUSIC 2(1,1) Bassoon IV: PR: MVV 3434 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4445 CAH-MUSIC 2(1,1) Saxophone IV: PR: MVV 3435 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 5451 CAH-MUSIC 2(1,0) Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVV 5452 CAH-MUSIC 2(1,0) Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVV 5453 CAH-MUSIC 2(1,0) Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVV 5454 CAH-MUSIC 2(1,0) Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVV 5455 CAH-MUSIC 2(1,0) Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

NGR 5003 CON-NURS 2(2,0) Advanced Health Assessment and Diagnostic Reasoning: PR: or CR: NGR 5141; CR: NGR 5003L. Admission to the M.S. in Nursing or Doctor of Nursing Practice tracks or C.I. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. Application of the diagnostic reasoning process through differential diagnoses. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5003L CON-NURS 1(0,1) Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: or CR: NGR 5141; CR: NGR 5003. Admission to the M.S. in Nursing or Doctor of Nursing Practice tracks or C.I. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5090 CON-NURS 3(3,0) Urgent Care for the Advanced Practice Nurse: PR: NGR 6240 or C.I. Advanced practice evaluation and management of clients in urgent care settings. Occasional.

NGR 5141 CON-NURS 3(3,0) Pathophysiological Bases for Advanced Nursing Practice: PR: Admission to M.S. in Nursing or Doctor of Nursing Practice program or C.I. Critical examination of the physiological and pathophysiological concepts and skills affecting clients in advanced practice. Concepts used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5638 CON-NURS 3(3,0) Health Promotion: PR: Admission to M. S. in Nursing or Doctor of Nursing Practice or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5660 CON-NURS 3(3,0) Health Disparities: Issues and Strategies: PR: Graduate standing. Examines disparities in access, utilization, services, outcomes, and status for different U.S. populations: data, research, programmatic issues, and strategies to close the gaps. May be used in the degree program a maximum of 2 times. Occasional.

NGR 5690 CON-NURS 3(3,0) Interdisciplinary Care at End-of-Life: PR: Graduate status or C.I. Examination of interdisciplinary roles and strategies for enabling patients, families, and caregivers to approach end-of-life free from avoidable distress and suffering. May be used in the degree program a maximum of 2 times. Fall.

NGR 5720 CON-NURS 3(3,0) Organizational Dynamics: PR: Baccalaureate degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the role of leadership, communication and power to influence health care delivery and policy. May be used in the degree program a maximum of 2 times. Fall.

NGR 5745 CON-NURS 1(1,0) Professional Obligations and Activities of Advanced Practice Nurses: PR: NGR 5660 and NGR 5891. Student must be in last or second to last semester of program. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.
NUR 5800 CON-NURS 3(3,0)
Theory for Advanced Practice Nursing: PR: Baccalaureate degree in C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. May be used in the degree program a maximum of 2 times. Fall, Spring.

NUR 5871 CON-NURS 3(3,0)
Health Care Informatics: PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. May be used in the degree program a maximum of 2 times. Fall.

NUR 5883 CON-NURS 1(1,0)
Cultural, Legal, Ethical, and Political Issues of Advanced Practice Nursing: PR: Admission to MSN program or C.I. Examine legal, ethical and political issues related to advanced practice nursing. May be used in the degree program a maximum of 2 times. Fall, Spring.

NUR 5884 CON-NURS 3(3,0)
Legal and Professional Behavior in Advanced Practice: PR: admission to the M.S. in Nursing or Doctor of Nursing Practice program. Examination of legal, ethical, cultural, and political issues related to professional advanced practice nursing. May be used in the degree program a maximum of 2 times. Fall, Spring.

NUR 5894C CON-NURS 3(2,1)
International Perspectives of Global Health: PR: Graduate standing or C.I. An analysis of global health in comparison with that of the USA and other nation’s health care systems. Occasional.

NUR 1800 CON-NURS 3(3,0)
Nursing as a Profession: Professional nursing roles in contemporary society covering a range of topics using discourse methodology that forms a foundation for nursing and health care. Fall, Spring.

NUR 4335 CON-NURS 3(3,0)
Nursing Care of the High-Risk Newborn: PR: Admission to BSN program; successful completion of NUR 3445 & NUR 3445L, or C.I. for RN-BSN students. In depth study of pathophysiology, management and nursing care of high risk newborn, emphasizing care of the neonate and factors contributing to outcomes related to morbidity and mortality. Occasional.

NUR 4425 CON-NURS 3(3,0)
Women’s Health Issues: PR: ENC 1102, Junior standing or C.I. Focuses on responses to health and illness, health care systems and policies and the role of advanced practice nurses. Fall.

NUR 4495 CON-NURS 3(3,0)
Essentials of Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Clinical concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall, Spring.

NUR 4695 CON-NURS 3(3,0)
Forensic Nursing Principles and Practice: PR: NUR 3028L or NUR 3445L. Successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3445; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness, or chronic health problems. Grad. S/U. Fall. M&S fee $40.00

NUR 3028 CON-NURS 3(0,2)
Essentials of Nursing Practice: PR: Admission to BSN program. CR: NUR 3028L; NUR 3028L; 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. Fall, Spring.

NUR 3028L CON-NURS 1(0,2)
Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3028; NUR 3028L; NUR 3028L; 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. M&S fee $30.00

NUR 3065 CON-NURS 2(2.0)
Health Assessment: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. Fall, Spring.

NUR 3065L CON-NURS 1(0,1)
Health Assessment Lab: CR: NUR 3065 and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&S fee $15.00

NUR 3125 CON-NURS 3(3,0)
Pathophysiology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum. CR: Concepts of health assessment of clients. Fall, Spring.

NUR 3145 CON-NURS 3(3,0)
Pharmacology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum. CR: Concepts of health assessment of clients. Fall, Spring.

NUR 3165 CON-NURS 3(3,0)
Nursing Research: PR: Admission to the BSN program; STA 2014C or 2023; for Basic program students; successful completion of the first semester; for RN to BSN students: NUR 3028 and RN-BSN status; or CR: Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. Fall, Spring.

NUR 3165H CON-NURS 3(3,0)
Honors Nursing Research: PR: Permission of honors; admission to nursing and completion of previous nursing courses; STA 2014C or 2023; co-requisites per plan of study or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. With Honors content. Occasional.

NUR 3167 CON-NURS 1(2,0)
Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. Accelerated study of systematic approaches to problem-solving situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. Spring.

NUR 3225 CON-NURS 3(3,0)
Nursing Care of the Adult I: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3145; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall.

NUR 3225L CON-NURS 2(0,6)
Nursing Care of the Adult I: Clinical Practice: PR: NUR 3028L or NUR 3445L. Successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3445; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness, or chronic health problems. Grad. S/U. Fall. M&S fee $40.00

NUR 3445L CON-NURS 4(0,0)
Nursing Care of Families: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childbearing families. Fall, Spring.

NUR 3445L CON-NURS 2(0,6)
Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Nursing practice to address health promotion, maintenance and illness management needing of childbearing and childbearing families. Grad. S/U. M&S fee $30.00

NUR 3616 CON-NURS 2(0,2)
Health Promotion Across the Lifespan: PR: Admission to BSN program and CR: NUR 3616L. The concepts of health promotion and prevention for individuals and families living in the community across the lifespan. Fall, Spring.

NUR 3616L CON-NURS 1(1,0)
Health Promotion Across the Lifespan Clinical: PR: Admission to BSN program and CR: NUR 3616L. Clinical concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall, Spring.

NUR 3634 CON-NURS 3(3,0)
Community Health Nursing: PR: Admission to BSN program; NUR 3028 and NUR 3028L; NUR 3755L; NUR 3805 and NUR 3805L; NUR 3825; NUR 3834L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Grad. S/U. M&S fee $45.00

NUR 3755L CON-NURS 2(0,6)
Essentials of Nursing Practice Clinical: PR: Admission to BSN program, CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3805 and NUR 3805L; NUR 3825; NUR 3834L. Clinical concepts of community health nursing focusing on community as client, and levels of prevention across the lifespan. Grad. S/U. M&S fee $45.00

NUR 3755L CON-NURS 2(0,6)
Essentials of Nursing Practice Clinical: PR: Admission to BSN program, CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3805 and NUR 3805L; NUR 3825; NUR 3834L. Clinical concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Grad. S/U. M&S fee $45.00

NUR 3975 CON-NURS 3(3,0)
Principles of Oncology Nursing: PR: C.I. or Junior standing. Basic principles and concepts in oncology. Focus on cancer as it affects individuals and families. Emphasis on cancer treatment, symptoms management and psychosocial response to oncological issues.

NUR 3806 CON-NURS 1(1,0)
NUR 3816 CON-NURS 1(1,0)  
Professional Nurse Seminar: PR: Admission to the BSN program. CR: NUR 3225. The role and function of the professional nurse including professional standards, ethics, and legal and practice issues. Fall, Spring.

NUR 3825 CON-NURS 2(2,0)  
The Role of the Professional Nurse: PR: Admission to the school of Nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.

NUR 382H CON-NURS 2(2,0)  
Honors The Role of the Professional Nurse: PR: Admission to BSN program. Role and function of the professional nurse, including professional standards, legal, and practice issues with honors content. Fall.

NUR 3826 CON-NURS 3(3,0)  

NUR 3826H CON-NURS 3(3,0)  

NUR 3936 CON-NURS 3(2,2)  
Interpersonal Perspectives of Nursing Practice: PR: Admission to the BSN program. CR: NUR 3225. Comparative analysis of professional nursing practice and health care systems in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS 3(3,0)  
Holistic Nursing: PR: Admission to the BSN program, CR: NUR 3225. The role and function of the professional nurse in the promotion and maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4178 CON-NURS 3(3,0)  
Complementary & Alternative Therapies: Options for Integrative Nursing Practice: PR: Junior or senior undergraduate standing in nursing, or C.I. History, principles, techniques, outcomes, and research of complementary and alternative therapies (CAM). Concepts of wellness, healing and integrative practice from nursing and consumer perspectives. Occasional.

NUR 4197 CON-NURS 3(3,0)  
Genetics and Genomics in Nursing Practice: PR: Admission to BSN program, CR: NUR 4178 and C.I. The application of genetics and genomic principles to clinical nursing practice. Occasional.

NUR 4227 CON-NURS 4(4,12)  
Nursing Care of the Adult II: PR: Admission to the BSN program. CR: successful completion of the first two semesters in the nursing curriculum. NUR 4227L; NUR 4535; NUR 4535L; or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Spring.

NUR 4227L CON-NURS 3(0,3)  
Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program. CR: successful completion of the first three semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4535L; or C.I. Clinical practice in acute care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Spring.

NUR 4257 CON-NURS 3(3,0)  
Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.

NUR 4286 CON-NURS 3(3,0)  
Gerontologic Nursing: PR: NUR 4286 or RN status or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4340 CON-NURS 3(3,0)  
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.

NUR 4493 CON-NURS 3(3,0)  
Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN license, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.

NUR 4516 CON-NURS 3(3,0)  
Crisis Intervention: PR: Completion of PSY 2012, SYG 2000, or C.I. Theoretical and practical components of techniques, recognition and intervention in crisis events. Applicable to all areas of nursing and all helping professions. Occasional.

NUR 4535 CON-NURS 3(3,0)  
Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

NUR 4535L CON-NURS 2(0,6)  
Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4535L. Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4604L CON-NURS 4(0,12)  

NUR 4637 CON-NURS 3(3,0)  
Public and Community Health Nursing: PR: Completion of PSY 2012, SYG 2000, or C.I. Application of leadership and management principles to nursing practice focusing on principles of leadership and management applied to health care settings. Fall, Spring.

NUR 4673L CON-NURS 1(0,3)  
Public Health Nursing Clinical: PR: Admission to the BSN program; NUR 4227; NUR 4535; NUR 4535L; or C.I. Clinical practice in public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4675 CON-NURS 3(3,0)  
Issues in Rural Health Care: PR: NUR 3065 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4760 CON-NURS 3(3,0)  
Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across healthcare settings, from acute care to home care. Occasional.

NUR 4765 CON-NURS 3(3,0)  
Rehabilitation Nursing: PR: Admission to the nursing program, 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.
OSE 3053 OPT-OPT 3(3,0)

OSE 3490 OPT-OPT 3(3,0)
Nonoptimatics: PR: PHY 2049C or C.I. Optical photonic processes on nano scale and interactions with elements of physics & engineering. Occasional.

OSE 4240 OPT-OPT 3(3,0)

OSE 4410 OPT-OPT 3(3,0)
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.

OSE 4410L OPT-OPT 1(0.3)
Optoelectronics Laboratory: CR: OSE 4410. Experiments in the basics of semiconductor optoelectronic devices including photodiodes, light-emitting diodes, laser diodes, and CCDs. Applications include solar cells, displays, photodetection, and optical communications. Spring. M&S fee $18.00

OSE 4470 OPT-OPT 3(3,0)
Fiber-Optic Communications: PR: EEL 3123C and PR: or CR: OSE 3052. Introduction to the principles and design of fiber-optic communication systems including the integrated-optic and optoelectronic devices used in transmitters and receivers. Fall.

OSE 4470L OPT-OPT 1(0.3)
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 $16.00

OSE 4520 OPT-OPT 3(3,0)

OSE 4520L OPT-OPT 1(0.3)

OSE 4720 OPT-OPT 3(3,0)

OSE 4721 OPT-OPT 3(3,0)
Biophotonics: PR: OSE 3052. This course is an introduction to photobiology (interaction of light with biological matter), tissue optics, light-induced cellular processes, optical biosensors, and cellular and molecular biological matter), tissue optics, light-induced cellular and structural pathologies affecting administrative practice. 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, interferometry, tomography, and hyperspectral systems. Applications to remote sensing, biology, and medicine. Fall.

OSE 4830L OPT-OPT 1(0.3)
Imaging and Display Laboratory: CR: OSE 4830. Laboratory experiments introducing imaging systems. 2D gazing and scanning systems. Interferometer metrology. Optical coherence tomography. Spectroscopy and spectral imaging. Display systems. Fall. M&S fee $14.00

OSE 4930 OPT-OPT 2(2.0)
Frontiers of Optics & Photonics: PR: OSE 3052 or PHY 4424 or EEL 4440. Senior Standing. Introduction to recent advances in optics & photonics, to ethical issues, and to effective communication appropriate to the field of optics & photonics. Fall.

OSE 4951 OPT-OPT 3(3,0)
Senior Design I: PR: OSE 4053 and OSE 4520; CR: OSE 4140 and OSE 4250. Development of the technical, communication, and team skills for successful design of optical and photonic systems. Preparation of project proposals for Senior Design II. Fall.

OSE 4952 OPT-OPT 3(3,0)
Senior Design II: PR: OSE 4951. Execution of project designs and their completion. Project design in Fulbright, CLIS, mentorship, and other capstone projects. Fall, Spring.

OSE 5041 OPT-OPT 3(3,0)
Introduction to Wave Optics: PR: EEL 4440 or PHY 4424 or C.I. Electromagnetic formation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.

OSE 5203 OPT-OPT 3(3,0)

OSE 5312 OPT-OPT 3(3,0)

OSE 5313 OPT-OPT 3(3,0)
Materials for Optical Systems: PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OSE 5414 OPT-OPT 3(3,0)
Fundamentals of Optoelectronics Devices: PR: Graduate standing or C.I. Operations, 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 5041 or OSE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Occasional.

PAD 3003 HPA-PUB 3(3.0)
Public Administration in American Society: PR: "C" (2.0) or better in POS 2041; and Public Administration minor or Leadership Studies minor or Performing Arts Administration minor; and Sophomore standing. 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; and Public Administration major or declared Leadership Studies Certificate or declared Leadership Studies minor; or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value framework to act ethically. Occasional.

PAD 3330 HPA-PUB 3(3.0)
Urban and Regional Planning: PR: Junior standing; and Public Administration major, or Urban and Regional Planning minor, or Interdisciplinary Studies Environmental Studies Track major, or Environmental Studies minor; 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: "C" (2.0) or better in POS 2041; Sophomore standing, Public Administration major or Public Administration minor, or C.I. Professional and technical writing for the field of public administration. Fall, Spring.

PAD 3930 HPA-PUB 1(1.0)
Nonprofit Leadership Seminar: PR: Declared Nonprofit Management minor, and Junior standing and EDC 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: Junior standing, and either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733 or in all PAD common program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3003 and PAD 3733, or C.I. Problems of values, interests, and their impact on the administration of public programs, stressing the interplay between social values, policies and administration. Fall, Spring.

PAD 4104 HPA-PUB 3(3.0)
Administrative Theory: PR: Junior standing, and either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733 and in all PAD common program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3003 and PAD 3733 and PAD 3733 or C.I. Microscopic theory of absorption, dispersion, and reflection of materials. Applications of the principles to optical materials. Occasional.

PAD 4144 HPA-PUB 3(3.0)
Nonprofit Organizations: PR: Junior standing and declared Nonprofit Minor or minor, 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 standing, and Public Administration major or Nonprofit Management minor or certificate, or Performing Arts Administration minor, or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4153 HPA-PUB 3(3.0)
People and Improvement for Public Organizations: PR: Junior standing and Public Administration major or Nonprofit Management minor or certificate, or Performing Arts Administration minor, or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4204 HPA-PUB 3(3.0)
Fiscal Management: PR: Junior standing, and either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733 and PAD 3733 or C.I. Microscopic theory of absorption, dispersion, and reflection of materials. Applications of the principles to optical materials. Occasional.

PAD 4223 HPA-PUB 3(3.0)
Public Budgeting: Skills and Techniques: PR: Junior standing, and either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733 and PAD 3733 or C.I. Microscopic theory of absorption, dispersion, and reflection of materials. Applications of the principles to optical materials. Occasional.
UCF Courses and Descriptions

PAD 4253 HPA-PUB  3(3,0) Community & Economic Development: PR: Public Administration major or Non Profit major or Urban Regional Planning major and Junior standing, 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: Junior standing and Public Administration major or Urban and Regional Planning minor; 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: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, 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: PR: Junior standing, and Public Administration major or Urban and Regional Planning minor, or Interdisciplinary Studies Environmental Studies Track major, or Environmental Studies minor, or Energy and Sustainability Minor. The study of environmental policy making processes, programs, and problems through readings, field study, and research projects. Spring.

PAD 4371 HPA-PUB  3(3,0) Community Resiliency & Sustainability: PR: ENC 1102 & Sophomore Standing) or C.I. Issues of community resiliency & sustainability specific to emergency & crisis management. Includes coverage of public policy & management, urban planning & development, and community sociology. Occasional.

PAD 4390 HPA-PUB  3(3,0) Hazard Mitigation and Preparedness: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning 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 Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination among the public and private sectors, and the individual and social aspects of disaster response. Fall.

PAD 4395 HPA-PUB  3(3,0) Disaster Response and Recovery: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Individual and institutional organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and complex dynamics of the recovery process are emphasized. Spring.

PAD 4414 HPA-PUB  3(3,0) Human Resource Administration: PR: Either a Public Administration major with a "C" or better in PAD 3033 and PAD 3733 and in all PAD common program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3003 and PAD 3733, or Nonprofit Management minor, or C.I. The history, operating components, structured characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. Fall, Spring.

PAD 4446 HPA-PUB  3(3,0) Multiculturalism in Public Administration: PR: COHPA major or, and Junior standing, or C.I. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. Occasional.

PAD 4712 HPA-PUB  3(3,0) Information Systems for Public Managers and Planners: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Knowledge and skills concerning information technology important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 4720 HPA-PUB  3(3,0) Survey Research in Public Administration: PR: Either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733 and in all PAD common program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3003 and PAD 3733, or C.I. Introduction to the design, computer applications, and data analysis in applied research in the public sector. Fall, Spring.

PAD 4803 HPA-PUB  3(3,0) Issues in Urban Administration: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or C.I. Introduces students to urban issues. This course provides an understanding of the impact of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4822 HPA-PUB  3(3,0) Environmental Administration: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Various approaches to studying and explaining the American intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall.

PAD 4941 HPA-PUB  3-12(0,3-12) Public Administration Internship: PR: Junior standing and permission by the internship coordinator in the Public Administration program. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, plans, budget, and fiscal, procurement, and public safety. Fall, Spring.

PAD 4948 HPA-PUB  3(0,0) Nonprofit Management Internship: PR: Junior standing; and enrollment in nonprofit minor; and PR or OR: one credit hour internship; 3003; permission for students in the Nonprofit Leadership Alliance program. Requires minimum of 300 hours placement in a nonprofit human service organization. May be used in the degree program a maximum of 2 times. Fall, Spring.

PAD 5041 HPA-PUB  3(3,0) Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 5145 HPA-PUB  3(3,0) Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree Nonprofit certificate or C.I. Volunteer development in nonprofit organizations, including board selection, development of leadership, recruitment, training, retention and theories of motivation, leadership, ethical issues. Fall, Spring.


PAD 5336 HPA-PUB  3(3,0) Introduction to Urban Planning: Issues of urbanism, region, development, land use and comprehensive planning, environmental planning, and social planning. Fall.

PAD 5337 HPA-PUB  3(3,0) Urban Design: Planning techniques such as planned unit developments, capital improvements planning, and management, and planning methods, including needs assessment and graphic design. Fall.

PAD 5338 HPA-PUB  3(3,0) Land Use and Planning Law: Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. Fall.

PAD 5356 HPA-PUB  3(3,0) Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.

PAD 5425 HPA-PUB  3(3,0) Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5427 HPA-PUB  3(3,0) Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process. Occasional.

PAD 5807 HPA-PUB  3(3,0) Local Government Operations: Operational functions, municipal and state governments and the role of the chief executive officer. Occasional.

PAD 5850 HPA-PUB  3(3,0) Grant and Contract Management: PR: Admission to the Master of Nonprofit Management, or Master of Research Administration, Certificate in Nonprofit Management, Certificate in Emergency Management and Homeland Security, Certificate in Public Administration, or Certificate in Fundraising, or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PAD 5855 HPA-PUB  3(3,0) Introduction to Public Procurement: PR: Admission to Master of Public Administration, or Master of Nonprofit Management, or C. I. Acquisition of knowledge and skills relating to the public procurement process. Occasional.

PAP 2102 HPA-HPA  2(0,0) Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.


PAP 4754 HPA-PUB  3(3,0) Interdisciplinary Leadership in Public Affairs: PR: Junior Standing and ENC 1101 or C.I. Global public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partnerships, and social change. Occasional.

PAZ 4234 COS-BIOL  3(3,0) Zoo and Aquarium Biology Management: PR: Admission to the M.S. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PAZ 5235 COS-BIOL  3(3,0) Zoo and Aquarium Biology Management: PR: Admission to the M.S. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.
PCB 4833 COM-BSBS 3(3,0) Advanced Human Physiology: PR: PCB 3522, PCB 3703C, ZOO 3733C. Advanced topics of physiological processes at the cellular, molecular and system levels. Fall.

PCB 4843 COM-BSBS 3(3,0) Cellular and Molecular Neurosciences: PR: ZOO 3744. An advanced and thorough course covering understanding of the cellular components and molecular signaling pathways involved in the nervous system function. Spring.

PCB 4943 COM-BSBS 3(3,0) Peer Instruction and Laboratory Occupational Training: PR: BSC 3403C or BSC 3403H. Internship practicum in a molecular biology laboratory where students teach, present, read journal articles, and work on a research project. May be repeated for credit. Occasional.

PCB 5025 COM-BSBS 3(3,0) Molecular and Cellular Pharmacology: PR: Graduate standing. PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.

PCB 5045 COS-BIOL 4(4,0) Conservation Biology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C. I. Scientific basis of conservation; conservation of ecosystems, populations, exploited species, and endangered species. Fall. M&S fee $15.00

PCB 5235 COM-BSBS 3(3,0) Molecular Immunology: PR: MCB 3020C or equivalent. Fundamental functions of the human immune system, focusing on cellular and molecular aspects of the innate and adaptive immune response. Fall.

PCB 5236 COM-BSBS 3(3,0) Cancer Biology: PR: PCB 4524 and graduate standing. Current knowledge and research on molecular mechanism of tumor development, tumor progression, metastasis and therapy of cancer. Occasional.

PCB 5238 COM-BSBS 3(3,0) Immunobiology: PR: PCB 3233 , PCB 4280. Advanced topics in immune system dysregulation with special emphasis on innate immunity. Spring.

PCB 5265 COM-BSBS 3(3,0) Stem Cell Biology: PR: Graduate standing. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.

PCB 5275 COM-BSBS 3(3,0) Signal Transduction Mechanisms: PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalian cells to control growth, development, differentiation. Discussion of original research papers will occur. Occasional.

PCB 5326C COS-BIOL 5(2,3) Ecosystems of Florida: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C. I. Ecosystems of Florida will be discussed to include geography, geology, climate, energetics, nutrient cycling, community structure and conservation. Occasional. M&S fee $15.00

PCB 5435C COS-BIOL 4(2,6) Marine Ecology of Florida: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C. I. Survey of experimental methods used in the study of marine communities in central and southern Florida, combining field manipulations and readings from primary literature. Odd Spring. M&S fee $45.00

PCB 5447 COS-BIOL 3(3,0) Disease Ecology & Ecosystem: PR: A grade of B (3.0) or better in Genetics (PCB 3063) or equivalent and PCB 3044 or equivalent, or C. I. or graduate standing. Examination of how hosts, parasites and environment interact to shape organisms, populations and communities. Occasional.

PCB 5485 COS-BIOL 3(3,0) Models in Ecology: PR: PCB 3044, MAC 2311C (or equivalent), and graduate status or senior standing or C. I. A survey of how simulation models are applied to ecological questions both of a theoretical and managerial nature. Occasional.

PCB 5527 COM-BSBS 3(3,0) Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4524 or C. I. Principles of Genetic Engineering/Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems, Plants, including human gene therapy, novel pharmaceuticals, recombinant proteins will be discussed in depth. Fall.

PCB 5596 COM-BSBS 3(3,0) Biomedical Informatics: PR: PCB 3522 or equivalent or C. I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

PCB 5665C COS-BIOL 4(3,2) Human Genetics: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C. I. Human Genetics provides a theoretical framework for understanding the biology of the human species. Occasional. M&S fee $15.00

PCB 5687 COS-BIOL 3(3,0) Evolutionary Ecology: PR: PCB 4683 or equivalent and C. I. Evolutionary biology and analysis of evolutionary traits (e.g., propogule size, age/size at maturity, survivorship and senescence) examined using a quantitative genetic framework. Even Fall.

PCB 5709C COM-BSBS 3(1,2) Laboratory Virtual Simulations in Physiology: GR: PCB 5534C Advanced Human Physiology. Conduct experiments in physiology that enhance the ability to design, collect, analyze data and report results in a scientific manner. Occasional.

PCB 5815 COM-BSBS 3(3,0) Molecular Aspects of Obesity, Diabetes & Metabolism: PR: PCB 3522 or BCH 4053 or BSC 6432. Biochemical, molecular and physiological aspects of obesity, diabetes and metabolic diseases and how scientific findings can be translated towards prevention and treatment. Odd Fall.

PCB 5834C COM-BSBS 4(3,2) Advanced Human Physiology: PR: Graduate standing or C. I. Designed to provide graduate students advanced knowledge of physiological processes at the cellular, molecular and system levels. Fall.

PCB 5837 COM-BSBS 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-BSBS 3(3,0) Cellular and Molecular Basis of Brain Functions: PR: Graduate Standing or C. I. Designed to provide graduate students the concepts required to understand the physiological basis of brain functions at the cellular, molecular and system levels. Fall.

PCB 5935 COS-BIOL 3(3,0) Population Genetics: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C. I. Population genetics and the study of the various forces that result in evolutionary changes through time. Even Spring.

PCO 4203C COS-PSYCH 3(3,1) Interviewing and Counseling: PR: PSY 2010. 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-E&HS 2(1,1) Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques and strategies. Occasional.

PEL 2111 ED-E&HS 2(1,1) Bowling: Fundamentals of bowling techniques and the development of skills based on those fundamentals. Occasional.

PEL 2112 ED-E&HS 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. Even Fall.

PEL 2121 ED-E&HS 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-E&HS 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-E&HS 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-E&HS 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-E&HS 2(1,1) Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEM 2101 ED-E&HS 2(1,1) Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEM 2104 ED-E&HS 3(2,1) Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. Fall, Spring.

PEM 2121C ED-E&HS 2(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-E&HS 2(1,1) Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional.

PEM 2131 ED-E&HS 2(1,1) Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring.

PEM 2134C ED-E&HS 2(1,1) Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional.

PEM 2171 ED-E&HS 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-E&HS 2(1,1) Step Aerobics: Appropriate rhythmical muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.

PEM 2175 ED-E&HS 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.
PHI 3701 CAH-PHIL 3(3,0)
Native American Philosophy: PR: PHI 2010 or C.I. An introduction to Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.

PHI 3703 CAH-PHIL 3(3,0)
Critical Thinking: PR: PHI 2010 or C.I. A study of reasoning in the philosophy of mind, categories, problem solving, and the relation of mind to body. Odd Fall.

PHI 3704 CAH-PHIL 3(3,0)
Research Methods in Philosophy: PR: PHI 2010, PSY 2012, or C.I. An introduction to research methods and analysis of research in philosophy. Even Fall.

PHI 3705 CAH-PHIL 3(3,0)

PHI 3706 CAH-PHIL 3(3,0)
Environmental Ethics: PR: Junior standing and major in Environmental Science or Philosophy. An investigation of ethical issues in the environment. Even Fall.

PHI 3707 CAH-PHIL 3(3,0)
Philosophy of Religion: PR: REL 2300 or C.I. The study of the nature of religious experience and the role of religious thought in human life. Odd Fall.

PHI 3708 CAH-PHIL 3(3,0)
Animal Ethics: PR: PHI 2010 or C.I. An examination of ethical issues in animal studies. Even Fall.

PHI 3709 CAH-PHIL 3(3,0)
Native American Philosophy: PR: PHI 2010 or C.I. An introduction to Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.

PHI 3710 CAH-PHIL 3(3,0)
Philosophy of Science: PR: Junior standing or senior in philosophy. The nature of science, scientific methodology, and the role of science in our lives. Even Spring.

PHI 3711 CAH-PHIL 3(3,0)
Regular Ethics: PR: C.I. An introduction to ethical issues in society, including questions of justice, rights, and responsibilities. Even Fall.

PHI 3712 CAH-PHIL 3(3,0)

PHI 3713 CAH-PHIL 3(3,0)
Ethics of Science and Technology: PR: C.I. An examination of ethical issues in scientific and technological research, including questions of responsibility and accountability. Odd Fall.

PHI 3714 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3715 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3716 CAH-PHIL 3(3,0)
History of Philosophy: PR: C.I. An examination of the development of philosophy from ancient to modern times. Odd Fall.

PHI 3717 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3718 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3719 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3720 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3721 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3722 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3723 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3724 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3725 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3726 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3727 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3728 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3729 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3730 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3731 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3732 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3733 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3734 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3735 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3736 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.

PHI 3737 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or senior in philosophy. The nature of social science, its methodologies, and the role of philosophy in social science. Even Fall.
UCF Courses and Descriptions

PHY 5240L HPA-HP 2(0,4) Physical Assessment Lab: CR: Physical Assessment Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&S fee $45.00

PHY 5241 HPA-HP 2(0,4) Therapeutic Exercises I: CR: Therapeutic Exercises I Lab. Theory of developing, implementing, and evaluating a therapeutic exercise program for patients with musculoskeletal dysfunction. Spring.

PHY 5241L HPA-HP 2(0,4) Therapeutic Exercise Lab I: PR: Therapeutic Exercise I Lab. Course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Spring. M&S fee $20.00

PHY 5260 HPA-HP 2(0,4) Patient Care Skills: CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training. Fall.

PHY 5260L HPA-HP 1(0,2) Patient Care Skills Lab: CR: Patient Care Skills. Skills of patient care, transfers, mobility skills. Fall. M&S fee $30.00


PHY 5718L HPA-HP 1(0,2) Neurological Physical Therapy Lab: CR: Neurological Physical Therapy Lab Course emphasizing the clinical application of selected neuroromotor theories. Occasional. M&S fee $30.00

PHY 1038 COS-PHYS 3(3,0) Physics of Energy and the Environment: Basic principles of physics using unifying theme of the production and use of energy and its interaction with the environment. Even Fall.

PHY 2020 COS-PHYS 3(3,0) Concepts of Physics: An introductory course in physics designed for non-science majors, emphasizing topics relevant to everyday life. The course focuses on major physical discoveries and their implications for the world around us. Fall.

PHY 2048C COS-PHYS 4(3,3) Physics for Engineers & Scientists I: PR: MAC 2311C (or equivalent) with grade C (2.0) or better. Mechanics, Thermodynamics, fluids, Fall, Spring. M&S fee $15.00

PHY 2048C COS-PHYS 4(3,3) Physics for Engineers and Scientists I: PR: MAC 2311C (or equivalent) with grade C (2.0) or better, and permission of Honors. Same as PHY 2048C with honors-level content. Fall, Spring.

PHY 2049C COS-PHYS 4(3,3) Physics for Engineers and Scientists II: PR: MAC 2312 and PHY 2048C with grades C (2.0) or better, and permission of Honors. Same as PHY 2049C with honors-level content. Fall, Spring.

PHY 2053C COS-PHYS 4(3,3) College Physics I: PR: MAC 1105C and MAC 1114C or equivalent or C.I. Mechanics, waves, thermodynamics. Fall, Spring. M&S fee $14.00


PHY 2054C COS-PHYS 4(3,3) College Physics II: PR: PHYS 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall, Spring. M&S fee $15.00

PHY 3101 COS-PHYS 3(3,0) Physics for Engineers and Scientists III: PR: MAC 2313, and PHY 2054C. Thermodynamics, oscillations, modern physics. Fall, Spring.

PHY 3101H COS-PHYS 3(3,0) Honors Physics for Engineers and Scientists III: PR: PHY 2049C, MAC 2313, and consent of Honors. Same as PHY 3101 with honors-level content. Fall.


PHY 3323 COS-PHYS 3(3,0) Electricity and Magnetism I: PR: PHY 2049C, MAP 2302. Electrostatics, magnetostatics, Lorentz force current electricity, Maxwell's equations. Fall.

PHY 3513 COS-PHYS 3(3,0) Thermal and Statistical Physics I: PR: PHY 3101, PHY 2054C. Thermodynamics, kinetic theory, elements of statistical mechanics. Fall.


PHY 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 3945 COS-PHYS 1(2,0) Physics Pedagogy Seminar: PR: PHY 2048C or PHY 2053C. Designed for students serving as Learning Assistants in the physics department and will help LAs to integrate educational theory, pedagogy and practice. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

PHY 4012 COS-PHYS 3(3,0) Teaching Introductory Physics: PR: PHYS 3012 or C.I. Students build specialized matter required for teaching introductory physics by reviewing variety of physics concepts integrated with coherent teaching methods. Odd Spring.

PHY 4024 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 4042 COS-PHYS 3(3,0) Electricity and Magnetism II: PR: PHYS 3323. Delectrics, magnetic materials, electromagnetic waves, reflection, complex impedance, statics to Laplace's Equation, radiation from an accelerated charge and antennas, special relativity. Spring.

PHY 4245 COS-PHYS 3(3,0) Quantum Mechanics: PR: PHY 3513 or PHY 3323. A study of quantum mechanics, operators, eigenvalues, parity, particle waves, harmonic oscillator, time dependent and time independent Schroedinger equation, matrix formulation, and time independent perturbation theory. Fall.

PHY 5455 COS-PHYS 3(3,0) Modern X-ray Science: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray sources, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.

PHY 5524 COS-PHYS 3(3,0) Statistical Physics: PR: PHY 3513, STA 3032, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions. Maxwell Boltzmann, Bose-Einstein, Fermi-Dirac statistics. Spring.

PHY 5606 COS-PHYS 3(3,0) Quantum Mechanics: 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 Schroedinger equation, matrix formulation, and time independent perturbation theory. Fall.

PHY 5945 COS-PHYS 3(3,0) Introduction to Quantum Computation: PR: C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students. Occasional.
UCF Courses and Descriptions

PHY 5705 COS-PHYS (1,0)
Physics of Graphene and Carbon Nanotubes: PR: PHZ 4404 or equivalent, or C.I. Advanced topics in carbon nanotubes, graphene sheets by presentation and discussion of current literature. Odd Fall.

PHY 5715 COS-PHYS (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)
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)
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 (3,0)
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 3113 COS-PHYS (3,0)
Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. Spring.

PHZ 3151 COS-PHYS (3,0)

PHZ 3422 COS-PHYS (3,0)
Nanophysics: PR: PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano colloids, and nano transport. Occasional.

PHZ 3462 COS-PHYS (3,0)
Nanoscience I: The Science and Societal Impacts: PR: PHY 2049C or PHY 2054C, and CHM 2046C, and COP 3223. Provides a broad view of nanoscience and the basic theoretical principles behind it, with special focus on fundamental properties and implications to society. Fall.

PHZ 3464 COS-PHYS (3,0)
Nanoscience II: Technological Applications: PR: PHY 2049C or PHY 2054C, and CHM 2046C, and COP 3223. Provides a comprehensive summary of the most relevant experimental advances in nanoscience and their applications in current technologies as well as their potential for future emerging technologies. Spring.

PHZ 3466 COS-PHYS (3,0)
Nanoscience III: A Virtual Laboratory: PR: PHY 2049C or PHY 2054C, and CHM 2046C, and COP 3223. The computational aspects of nanoscience. Students will model the nano-world using simulation software. Fall.

PHZ 3601 COS-PHYS (3,0)

PHZ 4041 COS-PHYS (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 (3,0)
Nuclear and Particle Physics: PR: PHY 4605 or C.I. Nuclear properties and the fundamental particles and how the universe is built from particles. Occasional.

PHZ 4404 COS-PHYS (3,0)

PHZ 4434 COS-PHYS (3,0)
Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.

PHZ 5045 COS-PHYS (3,0)
Attosecond Laser Physics: PR: PHY 5606, PHY 5346 or PHY 4224, or C.I. Interaction; fundamental principle of attosecond optical pulses using both semi-classical models and quantum mechanics theories. Illustrative examples of attosecond applications. Odd Spring.

PHZ 5156 COS-PHYS (3,0)
Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHZ 5304 COS-PHYS (3,0)
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 (3,0)
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)
Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.

PHZ 5432 COS-PHYS (3,0)

PHZ 5437 COS-PHYS (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 (3,0)
Nanofabrication and Ion-beam Materials: 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 (3,0)
Nanoparticles: 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 thermionic fusion. Occasional.

PHZ 5625 COS-PHYS (3,0)
General Relativity: PR: Graduate standing or C.I. Introduction to Einstein’s theory of gravitation. Odd Spring.

PLA 3014 HPA-LS (3,0)
Law and the Legal System: PR: ENC 1102 and PLA 3501 or C.I. Legal concepts and legal rationale of the legal system and legal profession of major social movements. Occasional.

PLA 3025 HPA-LS (3,0)
Civil Practice and Procedure: PR: or CR: PLA 3014 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3277 HPA-LS (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 litigation, trial and appeal of torts cases. Fall, Spring.

PLA 3306 HPA-LS (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 (3,0)
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, identification, trial, and post-trial proceedings. Fall, Spring.

PLA 3615 HPA-LS (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 (4,0)
Honors Moot Court: PR: Junior Standing and Consent of Honors, and C.I. 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 (3,0)
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 (3,0)
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 (3,0)
Advanced Trial Advocacy: PR: (PLA 4010 and Junior Standing) or C.I. Litigation and trials at an advanced level; students must handle a trial from beginning to end. May be repeated for credit. Fall, Spring.

PLA 4240 HPA-LS (3,0)
Negotiation Alternatives in Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Theories and skills involved in negotiation, mediation and other dispute resolution processes. Occasional.

PLA 4263 HPA-LS (3,0)
Evidence: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.

PLA 4424 HPA-LS (3,0)
The Law of Contracts: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Theories and skills involved in negotiation, mediation and other dispute resolution processes. Occasional.

PLA 4436 HPA-LS (3,0)
Florida Partnerships and Corporations: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.
PLA 4464 HPA-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, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4485 HPA-LS  3(3.0)
Administrative Law: PR: 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)

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 4544 HPA-LS  3(3.0)
Environmental Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Environmental and law policy related to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. Odd Fall, Even 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 cyberspace. Occasional.

PLA 4607 HPA-LS  3(3.0)
Estates and Trusts: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4609 HPA-LS  3(3.0)
Estate Administration: PR: (PLA 4607 and Junior standing) or C.I. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4703 HPA-LS  3(3.0)
Professional Ethics and Liability: PR: or CR: PLA 3014, and PR: Sophomore Standing, or C.I. Ethical responsibilities of professionals, canons of legal ethics, liability for professional malpractice. Fall, Spring.

PLA 4734 HPA-LS  3(3.0)
Advanced Legal Applications Computer Software: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Course will acquaint students with contemporary computer software applications used to satisfy demands of today’s law firms and law-related fields. Occasional.

PLA 4764 HPA-LS  3(3.0)
Law Office Practices: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. Occasional.

PLA 4806 HPA-LS  3(3.0)
Domestic Relations Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813 HPA-LS  3(3.0)
Juvenile Law and Procedure: PR: or CR: PLA 3014, and PR: Junior standing or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.

PLA 4823 HPA-LS  3(3.0)
Sports Law: PR: or CR: PLA 3014, and PR: Junior standing or C.I. Discussion of the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.

PLA 4824 HPA-LS  3(3.0)

PLA 4825 HPA-LS  3(3.0)
Entertainment Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4830 HPA-LS  3(3.0)
World Legal Systems: PR: or CR: PLA 3014, and PR: Junior standing on C.I. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.

PLA 4834 HPA-LS  3(3.0)

PLA 4843 HPA-LS  3(3.0)
Immigration Law and Policy: PR: PLA 3014, and PR: Junior standing. Major topics in U.S. immigration law to include the statutory, historical, and procedural foundations of U.S. immigration law and policy. Fall, Spring.

PLA 4861 HPA-LS  3(3.0)
Aviation Law: PR: PLA 3014 and Junior standing, or C.I. The law as it applies to aviation and aerospace activities domestically and internationally, including post-9/11 national aviation policy and emerging technologies (drones). Fall, Spring.

PLA 4864 HPA-LS  3(3.0)
Admiralty and Maritime Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Admiralty jurisdiction and procedure including contracts for carriage of goods, seaman’s contracts and claims, collision and salvage law, and wrongful death. Occasional.

PLA 4910 HPA-LS  3(3.0)
Trial Advocacy: PR: PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.

PLA 4935 HPA-LS  3(3.0)
Capstone: Legal Issues: PR: senior status, PLA 3155. Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. Fall, Spring.

PLA 5587 HPA-LS  3(3.0)
Current Issues in Cyberlaw: PR: Graduate standing, or C.I. Advanced Wilmington and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, problem case study reviews, and legal research projects. 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 2200 CAH-LANG  3(3.0)
Intermediate Portuguese I: PR: POR 1120C or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 2201 CAH-LANG  3(3.0)
Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Continuation of POR 2201 with emphasis on Portuguese cultures. Fall, Spring.

POR 3140 CAH-LANG  3(3.0)
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.

POS 2041 COS-POLS  3(3.0)
American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. Fall, Spring.

POS 2041H COS-POLS  3(3.0)
Honors American National Government: PR: Permission of Honors. Same as POS 2041 with honors-level content Occasional.

POS 3076 COS-POLS  3(3.0)
American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.

POS 3122 COS-POLS  3(3.0)

POS 3122H COS-POLS  3(3.0)

POS 3173 COS-POLS  3(3.0)

POS 3182 COS-POLS  3(3.0)
Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. With Honors content. Occasional.

POS 3182H COS-POLS  3(3.0)

POS 3233 COS-POLS  3(3.0)
Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.

POS 3234 COS-POLS  3(3.0)
Protest in American Politics: PR: POS 2041 or C.I. Connections between politics and protest in American politics including its impact on policy, and the implications of the generalization of protest for democracy. Occasional.

POS 3235 COS-POLS  3(3.0)
Mass Media and Politics: PR: ENC 1102 or POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.
POS 3235H COS-POLS 3(3,0) Honors. Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Influence of media on public campaign, public officials, public opinion, the definition of political news, and selected public policies. With Honors. Occasional.

POS 3258 COS-POLS 3(3,0) 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.

POS 3272 COS-POLS 3(3,0) Civic Engagement: PR: Junior standing and either PAD 3003 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government and sectors of society, and of modes of interaction. Even Fall, Even Spring.

POS 3273 COS-POLS 3(3,0) Voting and Elections: PR: POS 2041 or C.I. Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. Occasional.

POS 3413 COS-POLS 3(3,0) The American Presidency: PR: 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.

POS 3424 COS-POLS 3(3,0) Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution, underlying dynamic change, emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. Fall.

POS 3443 COS-POLS 3(3,0) Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system, including major party politics, topical issues, party coalitions, and the impact of parties on American politics. Topics include development, organization, reforms, legislative and executive roles. Occasional.

POS 3463 COS-POLS 3(3,0) Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.


POS 3703 COS-POLS 3(3,0) Scope and Methods of Political Science: PR: POS 2041 or C.I. The scope and methodology of political analysis: Excessive examination of the discipline, research design and methodology. Fall, Spring.

POS 3703H COS-POLS 3(3,0) Honors Scope and Methods: PR: POS 2041 and consent of Honors. Scope and methodology of political analysis. Discipline-specific research design, research process, methods of investigation and analysis, survey research, sampling, qualitative research, and ethical considerations. Occasional.

POS 3733 COS-POLS 3(3,0) Designing Political Science Research: PR: POS 2041 or INR 2002 or C.I. Legal and ethical issues related to research design, literature review, research design, case studies and case selection, case selection, qualitative research, and ethical considerations. Even Spring.

POS 3894 COS-POLS 0(0.8) Cooperative Educational in Political Science: PR: Departmental permission before registering. Cooperative educational experience in political science. Graded S/U. May be repeated. Occasional.

POS 4030 COS-POLS 3(3,0) The Politics of Sports: PR: POS 2041 or C.I. Emergent concerns in sports policy, institutional interventions in sports regulations, the politicization of sports arenas and teams, and civic and political engagement through sports. Occasional.

POS 4074 COS-POLS 3(3,0) Latino Politics: PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on national and international politics and policies. Occasional.

POS 4142 COS-POLS 3(3,0) Metropolitan Politics: PR: POS 2041 or C.I. Analysis of political patterns, processes, and issues in American metropolitan areas. Occasional.

POS 4204 COS-POLS 3(3,0) Political Behavior: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. Occasional.

POS 4206 COS-POLS 3(3,0) Political Psychology: PR: ENC 1102 or POS 2041 or C.I. The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics. Occasional.

POS 4244 COS-POLS 3(3,0) Political Socialization: PR: POS 2041 or C.I. Examines acquisition and development of political values, beliefs, attitudes, and opinions; how individuals learn about politics; and influences on political development, behavior, and opinion. Occasional.

POS 4284 COS-POLS 3(3,0) Judicial Process and Politics: PR: ENC 1102 or POS 2041 or C.I. Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment, and outputs, comparative judicial behavior. Fall, Odd Spring.

POS 4412 COS-POLS 3(3,0) Presidential Campaigning: PR: ENC 1102. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. Occasional.

POS 4603 COS-POLS 3(3,0) American Constitutional Law I: PR: ENC 1102 or POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalization of the economy. Fall.

POS 4604 COS-POLS 3(3,0) American Constitutional Law II: PR: ENC 1102 or POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

POS 4622 COS-POLS 3(3,0) Politics and Civil Rights: PR: ENC 1102 or POS 2041 or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. Occasional.

POS 4764 COS-POLS 3(3,0) GIS for Political Analysis: PR: POS 2041 and ENC 1102. Use of mapping and other spatial methods in political science research. Occasional.

POS 4941 COS-POLS 3(0-3,9) Political Science Internship: PR: C.I. Internship working with the national, state, county or municipal government. Assignments with selected civic organizations, elected or appointed officials. May be repeated for credit. Occasional.

POT 3204 COS-POLS 3(3,0) American Political Thought: PR: ENC 1102 or POS 2041 or C.I. From its sources to the 20th century including liberalism, puritanism, the Federalist, the rise of industrialism, resulting social movements, modern variations. Odd Fall.

POT 3302 COS-POLS 3(3,0) Modern Political Ideologies: PR: ENC 1102. A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. Occasional.

POT 4003 COS-POLS 3(3,0) Political Theory: PR: ENC 1102. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. Fall.

POT 4025 COS-POLS 3(3,0) Ancient, Medieval and Early Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas in western thought from early Greece through the 17th century. Occasional.

POT 4054 COS-POLS 3(3,0) Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POT 4045 (Ancient, Medieval and Early Modern Political Philosophy). Occasional.

POT 4066 COS-POLS 3(3,0) Contemporary Political Philosophy: PR: ENC 1102. Study of the contemporary debate about the status of rights, utilitarianism, and liberalism, and communalist, libertarian, and feminist critiques of liberalism. Occasional.

POT 4109H COS-POLS 3(3,0) Politics and Literature: PR: Junior standing or C.I. An examination of politics and the political process through the medium of literature. Occasional.

POT 4109H COS-POLS 3(3,0) Politics and Literature: PR: Junior standing. Politics and political process through the medium of literature. Occasional.

POT 4105 COS-POLS 3(3,0) The State, Society, and the Individual: PR: Junior standing or C.I. The relationship between the state, society, and the individual by discussing the works of major authors from Adam Smith to Robert Axelrod. Odd Fall.

POT 4314 COS-POLS 3(3,0) Contemporary Democratic Theory: PR: ENC 1102 or POS 2041 or C.I. Study of democratic theories, emphasizing liberal democracy and its critics, elitist theories, participatory democracy, citizen participation, and relevance of empirical research to democratic theory. Occasional.

POT 4331 COS-POLS 3(3,0) Utopia and Dystopia: PR: ENC 1102. Examine social, political, and economic issues, such as justice, economic distribution and social organization by exploring both classic and contemporary utopias and dystopias. Occasional.

POT 4345 COS-POLS 3(3,0) Pan-Africanist Thought: PR: INR 2002 or C.I. Philosophical assumptions, theoretical frameworks, ideological orientations and social/political thinkers that have contributed to the tradition of Pan-Africanist thought. Occasional.

POT 4414 COS-POLS 3(3,0) Marxist Political Theory: PR: ENC 1102. Survey of Marx & Engels and other thinkers, exposing the theoretical underpinnings of nations and groups who have adapted marxist principles for governance. Occasional.

POT 4632 COS-POLS 3(3,0) Religion and Politics: PR: ENC 1102 or POS 2041 or C.I. Institutional and individual relationships of religion and politics including globalization, fundamentalism, secularization, American exceptionalism, political behavior, and the religious origins of current secular concepts. Occasional.

PPE 3003 COS-PSYCH 3(3,0) Personality Theory and Research: PR: PSY 2041. A survey of theory and research on the development of personality characteristics. Fall, Spring.
PPE 3003H COS-PYCH 3(3,0)  

PPE 5055 COS-PYCH 3(3,0)  
Personality Theories: PR: Graduate status or senior standing or C.I. Critical theoretical models of personality development. With applications to counseling, psychotherapy and psychological assessment. Occasional.

PSB 3002 COS-PYCH 3(3,0)  
Physiological Psychology: PR: PSY 2012. The physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Fall, Spring.

PSB 3002H COS-PYCH 3(3,0)  

PSB 3441 COS-PYCH 3(3,0)  
Psychobiological Aspects of Drugs: PR: PSY 2012. An advanced course designed for web instruction. Focus on pharmacology, neurophysiology and neuromodulation as the foundation of understanding behavior and social consequences of drug use. Spring.

PSB 3842 COS-PYCH 3(3,0)  

PSB 4103C COS-PYCH 3(2,2)  

PSB 4240C COS-PYCH 4(3,2)  

PSB 5005 COS-PHY 3(3,0)  
Physiological Psychology: PR: PSB 3002 and graduate status or senior standing or C.I. An advanced survey of the physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Occasional.

PSC 1121 COS-PHYS 3(3,0)  
Physical Science: PR: High school algebra or MAC 1105C. Fundamental laws of mechanics, heat, waves, electricity, magnetism, chemical processes and equations, properties of gases, liquids, solids, solutions. Fall, Spring.

PSC 1121L COS-PHYS 10(2)  
Physical Science Lab: CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity and magnetism, chemical and physical transformations. Fall, Spring. M&S fee $14.00.

PSC 1801 COS-PHYS 3(3,0)  

PSY 2012 COS-PYCH 3(3,0)  
General Psychology: A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Fall, Spring.

PSY 2012H COS-PYCH 3(3,0)  
Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. Fall, Spring.

PSY 2023 COS-PYCH 2(2,0)  
Psychology Cornerstone: Career Paths: PR: PSY 2012. What it means to be a psychology major, career opportunities upon graduation, and different graduate school paths. Graded S/U. Fall, Spring.

PSY 3022C COS-PYCH 3(1,8)  
Academic Counseling: PR: PSY 2012. Psychology majors are given research findings, theory, models and techniques of academic counseling and career advising. Graded S/U. Fall, Spring.

PSY 3028 COS-PYCH 3(3,0)  
Psychology of Career Development: PR: PSY 2012 or C.I. Review of career development theories and current psychological literature on career decision making. Examination of career development in psychology including educational entry requirements and related issues. Occasional.

PSY 3204C COS-PYCH 4(3,1)  
Comparative Public Policy: PR: PSY 2012, and either STA 2014C or STA 2023; or C.I. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression applied to research in psychology. Occasional.

PSY 3213C COS-PYCH 5(3,2)  
Research Methods in Psychology: PR: PSY 2012, PSY 3204C, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&S fee $20.00.

PSY 3213C COS-PYCH 5(3,2)  
Honors Research Methods in Psychology: PR: Consent of Honors, PSY 2012, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors consent. Occasional.

PSY 3302 COS-PYCH 3(3,0)  

PSY 3320C COS-PYCH 3(2,2)  

PSY 3625 COS-PYCH 3(3,0)  
Science and Pseudoscience in Psychology: PR: PSY 2012 or C.I. Critically evaluates fringe-scientific, paranormal, and otherwise unusual beliefs about human behavior. Scientific methodology is used to evaluate bizarre claims such as ESP, astrology, woo, mind control, and alien abduction. Occasional.

PSY 3630 COS-PYCH 3(3,0)  

PSY 3951 COS-PYCH 1-9(3,0)  
Undergraduate Field Work: PR: Senior standing and C.I. Placement in a community agency for supervised experiential training. May be repeated for credit. Fall, Spring.

PSY 4025 COS-PYCH 3(3,0)  
The Psychology of Art: PR: or C.R: ARH 2050 or ARH 2051, or any ART prefix course. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.

PSY 4049 COS-PYCH 1(1,0)  
Psychology Capstone: PR: Psychology major and PSY 2012 and Senior Status. Refresh and apply knowledge in core areas of psychology to cutting edge research in applied disciplines. Graded S/U. Occasional.

PSY 4215C COS-PYCH 4(3,2)  

PSY 4215C COS-PYCH 4(3,2)  

PSY 4604 COS-PYCH 3(3,0)  
History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

PSY 4604H COS-PYCH 3(3,0)  
Honors History and Systems in Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. Occasional.

PSY 4942 COS-PYCH 3(3,0)  
Instructional Experiences in Undergraduate Psychology: PR: PSY 2012 and C.I. Prepares undergraduate students to more effectively learn psychology concepts by facilitating learning in variety of university psychology classrooms and labs. Graded S/U. Occasional.

PSY 5605 COS-PYCH 3(3,0)  
History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program by C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. This course is intended for the PhD in Clinical Psychology; in certain instances graduate students in other programs may enroll. Odd Fall.

PUP 3014 COS-POLS 3(3,0)  
Comparative Public Policy: PR: POS 2041 or CPA 3103 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. Occasional.

PUP 3203 COS-POLS 3(3,0)  
Environmental Politics: PR: ENC 1102 or POS 2041 or C.I. An examination of politics and policy-making issues of conservation, pollution and development of land, air, 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.I. Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. Occasional.

PUP 3325 COS-POLS 3(3,0)  
Women and Political Behavior: PR: POS 2041 or ENC 1102, or C.I. Women's role in the political process, emphasizing women in the governmental and policy process. Occasional.
REL 3101 CAH-PHIL 3(3,0) Religion in Popular Culture: PR: REL 2000, REL 2300 or C.I. Explication of traditional religion in popular culture and popular culture as non-traditional religion by means of various postmodern, theoretical perspectives with emphasis on the religious dynamics involved but often unnoticed in popular (secular) culture. Fall.

REL 3111 CAH-PHIL 3(3,0) Religion and Philosophy Through Film: PR: ENC 1102 and either PHI 2010 or REL 2300 or FIL 1000. Religious and philosophical themes encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.

REL 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 secularity 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) Religion, Spirituality, and Popular Music: PR: HUM 2230 or REL 2300. Contemporary spiritual sensibilities encountered at the intersection of religion, philosophy, and popular music. Odd Fall.


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 2230 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 3432 CAH-PHIL 3(3,0) Roots of Western Mysticism: PR: HUM 3431, HUM 3432, REL 3403, REL 3530, PHI 3100, or PHI 3300. Ancient, Eastern, and early modern European mysticism, and its influence on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

REL 4101 CAH-PHIL 3(3,0) Religion and the Arts: PR: At least one of the following: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.

REL 4157 CAH-PHIL 3(3,0) Religion and Psychoanalysis: PR: REL 2300 and REL 2000. Interactions between psychoanalysis and religion, including multiple perspectives of psychoanalytic theorists on different religious traditions and phenomena. Even Spring.
RTV 3942L  COS-COMM  1-3(0-3-9)
Practicum: PR: C.I. RTV Major, and either RTV 3566C, RTV 3228c, or RTV 3531C. 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 4403  COS-COMM  3(3,0)
Electronic Media, Technology, and Society: PR: or CR: RTV 3007, or C.I. Theories of mass communication, 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 SPJ 4600 , COM 1000 , RTV 3007, or C.I. Concepts 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 3007 or FIL 2030 or C.I. An examination of program formats, the integration of digital delivery on the web. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4544  COS-COMM  4(4,0)
Advanced Studio Production: PR: RTV 3280, RTV 3534C, and RTV 3263. Students will learn and apply advanced techniques in production and directing television programs and video projects both in-studio and on-location. Fall, Spring.

RTV 4557C  COS-COMM  3(2,1)
Audio Production II: PR: RTV 3566C 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 4561C  COS-COMM  3(2,1)
Radio Production and Programming: PR: RTV 3511 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 4591C  COS-COMM  3(2,1)
Webcasting I: PR: RTV Major and PR or CR: RTV 3500C. Development 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 4592C  COS-COMM  3(2,1)
Webcasting II: PR: RTV 4591C and RTV Major. Production of digital content to be repurposed for 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 4673C  COS-COMM  3(2,1)
Television Directing: PR: RTV 3534C, RTV 3531C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources with emphasis on dramatic action and composition. Students should expect significant work in the RTV lab facility outside of class. Fall. M&S fee $30.00

RTV 4681C  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 4682C  COS-COMM  4(1,3)
Advanced TV News: PR: RTV 4681C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice with the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

SOP 5059 COS-PYSCH 3(3,0) Advanced Social Psychology: PR: SOP 3004C, graduate status or senior standing, or C.I. The major findings of major theories in social psychology include an in-depth review of relevant 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 3184 HPA-SOWK 3(3,0) Human Behavior and the Social Environment I: PR: Junior Standing or C.I. Skill development in assessing "person-in-environment" throughout life cycle. Study of development of bio-psychosocial, cultural, and systemic influences on human functioning. Open to non-majors and pending social work majors. Fall.

SOW 3111 HPA-SOWK 3(3,0) Human Behavior and the Social Environment II: PR: Admission to BSW Program and SOW 3104. Development in assessing, families, groups, organizations, and communities, their impact on human functioning, and their potential for providing social support. Spring.

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 3352 HPA-SOWK 3(2,1) Practice II: Interpersonal Skills in Social Work: PR: Junior Standing or C.I. 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. The development 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) Culturally Competent Social Work Practice: PR: SOW 3204 and SOW 3104; PR or CR: SOW 3300. Social work intervention and skill development needed to serve oppressed groups. Spring.

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 will be addressed. Fall.

SOW 4148 HPA-SOWK 3(3,0) Introduction to Military & Veteran Culture for Social Work Practice: PR: Junior standing; CR: SOW 3284 or C.I. An introduction to military life providing specific ways to better understand, communicate, and effectively interact with military, veterans, and their families. Fall, Spring.


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; CR: SOW 4522. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. Spring.

SOW 4515 HPA-SOWK 1(2-1,2) Part Time Field Education Seminar: PR: Completion of all required social work courses for the major and CR: SOW 4941. Weekly seminar to examine the field experience and to relate theory with practice situations. 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 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 C.I. 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 Lesbian, Gay, Bisexual, and Transgendered (+) Experience: PR: SOW 3284, SOW 3300, and Junior standing or C.I. CR: SOW 3620. Sexual orientation and cultural diversity, policies and resources affecting lesbian, gay, bisexual, transgendered (+) people, community based therapeutic and preventive interventions. Even Spring.

SOW 4705 HPA-SOWK 3(3,0) Prevention and Treatment of Adolescent Substance Abuse: PR: Junior Standing. An in-depth review of prevention, intervention, and treatment, recovery and relapse issues and public policies regarding adolescents with substance abuse problems Even Fall, Spring.

SOW 4706 HPA-SOWK 3(3,0) Intervention with Substance Abusers: PR: SOC 3620. Strategies and working with persons who abuse alcohol, other drugs and substances. Even Fall, 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 resulting from a national and an international perspective. Fall.

SOW 5105 HPA-SOWK 3(3,0) Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. Fall.

SOW 5106 HPA-SOWK 3(3,0) Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.

SOW 5132 HPA-SOWK 3(3,0) Diverse Client Populations: Study of human 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 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 5306 HPA-SOWK 3(3,0) Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 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 5538 HPA-SOWK 3(3,0) Full-Time MSW Generalist Field Education and Seminar I: PR: Admission to Master of Social Work program or C.I.; CR: SOW 5305. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 200 clock hours. Graded S/U. Fall.

SOW 5539 HPA-SOWK 3(3,0) Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5306. Field education for full-time Master of Social Work generalist students; includes seminar and supervised practice of social work in an agency for 200 clock hours. Graded S/U. Spring.
SPP 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.

SPP 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 leadership, and leadership in problem solving. Fall, Spring.

SPP 3513C COS-COMM  3(1,2)
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.

SPP 3513H COS-COMM  3(3,0)
Honors Argumentation and Debate: PR: Consent of Honors. Introduction to argumentative speeches including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.

SPP 5506 ED-CFCS  3(3,0)
Financial Issues in Sports and Fitness: PR: C.I. Examines basic financial concepts including understanding annual reports, budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.

SPN 1120C CAH-LANG  4(4,1)
Honors Elementary Spanish Language and Civilization I: PR: Consent 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 1120C CAH-LANG  4(3,1)
Elementary Spanish Language and Civilization I: Introduces the student to Spanish culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall, Spring.

SPN 1121C CAH-LANG  4(3,1)
Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPN 1120C. Fall, Spring.

SPN 1121C CAH-LANG  4(4,1)
Honors Elementary Spanish Language and Civilization II: PR: Consent of Honors and SPN 1120C 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 SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. Fall.

SPN 2201 CAH-LANG  3(3,1)
Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. Occasional.

SPN 2240 CAH-LANG  3(3,1)
Intensive Spanish Conversation: PR: One year of Spanish or equivalent. Practical use of the language, leading toward fluency and correctness in speaking at the intermediate level. Occasional.

SPN 2241 CAH-LANG  3(3,0)

SPN 2340 CAH-LANG  3(3,0)
Spanish for Native Speakers: PR: Must be a native speaker. 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.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. Occasional.

SPN 2513 CAH-LANG  3(3,0)
Modern Spanish Civilization Study Abroad: PR: SPN 2340 or C.I. This intensive course will focus on modern Spanish culture using examples from present day society. Cultural visits and Readings 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. Emphasis on business terminology, business culture and business topics related to the Hispanic World. Odd Fall.

SPN 3141 CAH-LANG  3(3,0)

SPN 3142 CAH-LANG  3(3,0)
Business Spanish III: PR: C.I. Continuation of Business Spanish II. Even Fall.

SPN 3234 CAH-LANG  3(3,0)
Advanced Directed Readings: PR: SPN 2200 or C.I. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers. Fall, Spring.

SPN 3300 CAH-LANG  3(3,0)
Advanced Spanish Grammar and Composition: PR: SPN 1121C 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 SPN 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 2201 or SPN 2240 or equivalent. Vocabulary building with systematic training in diction and pronunciation. Speech and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.

SPN 3852 CAH-LANG  3(3,0)

SPN 3853 CAH-LANG  3(3,0)
UCF Courses and Descriptions

SPN 3933 CAH-LANG 3(3,0) Spanish Across the Curriculum: PR: SPN 2201 or C.I. Required of all students in the College of Liberal Arts and Sciences. 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 Conversation: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on dictated topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

SPN 4421 CAH-LANG 3(3,0) Advanced 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. A survey 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. 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 language, as well as the use and correct application of criticism 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 status or C.I. An analysis of the Hispanic culture of the United States, past and present. Occasional.

SPN 5505 CAH-LANG 3(3,0) Spanish Peninsular Culture and Civilization: PR: Graduate status or senior status or C.I. An analysis of the salient characteristics of Spanish culture and civilization. Occasional.

SPN 5506 CAH-LANG 3(3,0) Spanish American Culture and Civilization: PR: Graduate status or senior status 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 status or C.I. An introduction to main concepts and methods of analysis focusing on Spanish morphology, syntax, semantics, and phonology, as well as dialectology and sociolinguistics. Even Fall.

SPN 5825 CAH-LANG 3(3,0) Spanish Dialectology: PR: Graduate status or senior status or C.I. This course is a survey of the diversity found within the Spanish language with respect to phonological, morphosyntactic, second language influence, and historical development. Occasional.

SPN 5845 CAH-LANG 3(3,0) History of the Spanish Language: PR: Graduate status or senior status or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

SPN 5920 CAH-LANG 3(3,0) AP Spanish Language: PR: Graduate status or senior status or C.I. Participants 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-CFCS 3(3,0) Enhancing Individual and Student IQ: PR: Graduate status or C.I. Students will understand IQ malleability and methods of enhancing IQ. Students will analyze acquisition of knowledge gained from methods of scientific inquiry regarding individual differences. Even Spring.

SPT 3800 CAH-LANG 3(3,0) Spanish Translation and Interpretation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

SPT 3805 CAH-LANG 3(3,0) Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. Even Spring.


SPT 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: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

SPW 3101 CAH-LANG 3(3,0) Survey of Spanish Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

SPW 3130 CAH-LANG 3(3,0) Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the colonial period to Nineteenth Century Romanticism. Fall.

SPW 3131 CAH-LANG 3(3,0) Survey of Latin-American Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism through Modernism. Spring.

SPW 3320 CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor’s technique and practice in Spanish. Short scenes will be performed in class. Occasional.


SPW 3370 CAH-LANG 3(3,0) Spanish Short Story: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th-century Spanish short stories and their authors. Occasional.

SPW 4272 CAH-LANG 3(3,0) 20th Century Spanish Novels: PR: SPW 3101 or SPW 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

SPW 4310 CAH-LANG 3(3,0) Golden Age Drama: PR: SPW 3101 or C.I. A study of the drama of the Golden Age, with special emphasis on Lope, Tirso, Alarcón, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined. Occasional.

SPW 4322 CAH-LANG 3(3,0) Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 4364 CAH-LANG 3(3,0) Latin-American Narrative/Essay: PR: SPW 3100 or SPW 3130 or SPW 3311 or SPW 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4381 CAH-LANG 3(3,0) Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3130 or 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. 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 3101, or SPW 3130 and SPW 3131, 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 in Spanish Romanticism, Realism, and Naturalism. Occasional.

SPW 4604 CAH-LANG 3(3,0) Cervantes: PR: SPW 3100 or C.I. Don Quixote. Occasional.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPW 4720</td>
<td>CAH-LANG</td>
<td>3(3,0)</td>
<td>Study of the generation's main authors and their works. Occasional.</td>
</tr>
<tr>
<td>SPW 4730</td>
<td>CAH-LANG</td>
<td>3(3,0)</td>
<td>Hispameric Literature of the United States: PR: SPW 3101 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.</td>
</tr>
<tr>
<td>SPW 4770</td>
<td>CAH-LANG</td>
<td>3(3,0)</td>
<td>Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.</td>
</tr>
<tr>
<td>SPW 4772</td>
<td>CAH-LANG</td>
<td>3(3,0)</td>
<td>Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. Analysis and discussion of representative contemporary work of authors who have included the black character as part of their narrative. Occasional.</td>
</tr>
<tr>
<td>SPW 5741</td>
<td>CAH-LANG</td>
<td>3(3,0)</td>
<td>Contemporary Spanish American Southern Caribbean Literature: PR: SPW 3100 or C.I. Regional as well as international literary cultures and disciplines in southern core literature. Occasional.</td>
</tr>
<tr>
<td>SPW 5795</td>
<td>CAH-LANG</td>
<td>3(3,0)</td>
<td>Jewish Culture in Latin America: PR: Spanish Major program or graduate student proficient in Spanish. History of the Jews in Latin America and Studies of Latin American Jewish authors and literature. Will be taught in Spanish, including all readings. Occasional.</td>
</tr>
<tr>
<td>SSE 3312</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SSE 4361</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Social Science Instructional Analysis: PR: EDG 4410 and SSE 4936. CR: SSE 3940. Analysis of secondary (grades 6-12) social science instructional programs including development of objectives, materials, processes, and assessment procedures in light of current research and practice. Fall, Spring.</td>
</tr>
<tr>
<td>SSE 4936</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SSE 5391</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Global Education: Theory and Practice: PR: Graduate standing or C.I. Examines the theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. Spring.</td>
</tr>
<tr>
<td>SSE 5776</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Democracy and Education: PR: Graduate standing or C.I. Explores the interaction of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. Fall.</td>
</tr>
<tr>
<td>SSE 5790</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Inquiry and Instructional Analysis in Social Science Education: PR: EDG 6415 or admission to Teacher Leadership MEd program or initial Teacher Professional Preparation certificate. Study of instructional programs in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. Occasional.</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>COS-STAT</td>
<td>3(2,1)</td>
<td>Principles of Statistics: Introduction to statistical concepts in modern society. Basic principles, frequency distributions, measures of location and dispersion, probability, and statistical inference. The &quot;NC&quot; grading policy applies to this course. Fall, Spring.</td>
</tr>
<tr>
<td>STA 2023</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Statistical Methods I: PR: MAC 1105C or MAC 1106. First methods course introducing probability and statistical inference, including statistical principles of sampling and binomial and normal distributions, sample size. Fall, Spring.</td>
</tr>
<tr>
<td>STA 2023H</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Honors Statistical Methods I: PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.</td>
</tr>
<tr>
<td>STA 3032H</td>
<td>ECS-HEMS</td>
<td>3(3,0)</td>
<td>Probability and Statistics for Engineers: PR: MAC 2312 with a grade of &quot;C&quot; (2.0) or better. An introduction to probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; two- and three-way contingency tables, odds ratios, partial correlation. Fall, Spring.</td>
</tr>
<tr>
<td>STA 3096</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Statistical Graphics: PR: STA 2023 or STA 3032 and a knowledge of two programming languages. Principles of graph construction, graphical techniques, computer programs for graph construction. Occasional.</td>
</tr>
<tr>
<td>STA 4012</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.</td>
</tr>
<tr>
<td>STA 4103</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Life Contingencies I: PR: STA 4183 (or number STA 5183). Economics of insurance, utility theory, single premium for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.</td>
</tr>
<tr>
<td>STA 4163</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Statistical Methods II: PR: STA 2023 or STA 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.</td>
</tr>
<tr>
<td>STA 5054</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.</td>
</tr>
<tr>
<td>STA 5184</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Introduction to Derivative Markets: PR: STA 4183 or C.I. Cash flow, forward and futures, hedging strategies, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, callable bonds. Spring.</td>
</tr>
<tr>
<td>STA 5186</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Theory of Derivative Pricing: PR: STA 4184 or C.I. Assumptions of derivative pricing, put-call parity, binomial pricing, market making, delta hedging, exotic options, distributions, Monte Carlo distributions, Brownian motion, interest rate models. Spring.</td>
</tr>
<tr>
<td>STA 4321</td>
<td>ED-TL&amp;L</td>
<td>3(3,0)</td>
<td>Statistical Theory I: PR: STA 4183 or STA 2023 or STA 3032, CR: STA 5231. Probability, discrete and continuous random variables, moment generating functions, transformations, jointly distributed random variables. Fall.</td>
</tr>
<tr>
<td>STA 4502</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Nonparametric Statistical Methods: PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. Occasional.</td>
</tr>
<tr>
<td>STA 4664</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Statistical Quality Control: PR: STA 2023 or STA 3032. Statistical models and methods applied to the control of quality of manufactured products. Occasional.</td>
</tr>
<tr>
<td>STA 5045</td>
<td>COS-STAT</td>
<td>3(3,0)</td>
<td>Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

STA 5104  COS-SAT  3(3,0)
Advanced Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language, graduate status or senior standing, or C.I. Uses of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports. Fall.

STA 5176  COS-SAT  3(3,0)
Introduction to Biostatistics: PR: STA 4102 or STA 4173; graduate status or senior standing, or C.I. Fixed-effects model, random-effects model, repeated measures, design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.

STA 5205  COS-SAT  3(3,0)
Experimental Design: STA 4164, STA 5200, or ESI 5219, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication, incomplete block designs, factorial and fractional designs, design resolution. Spring.

STA 5206  COS-SAT  3(3,0)
Statistical Analysis: PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or graduate resolution. PR: STA 4163 for STA 5200; graduate status or senior standing or C.I. Data analysis; statistical models; regression analysis; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.

STA 5505  COS-SAT  3(3,0)
Categorical Data Methods: PR: STA 4163 or STA 5200, graduate status or senior standing, or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including logistic modeling, logistic regression, McNemar's Test, Mantel-Haenszel test. Occasional.

STA 5703  COS-SAT  3(3,0)
Data Mining Methodology I: PR: STA 5104 and STA 5206, graduate status or senior standing, or C.I. Supervised data mining techniques for big data analytics to understand complex relationships from data without any prior information about the existing patterns. Data mining, explore, model, modify, and access process. Techniques covered include regression, decision trees, support vector machines, and neural networks. Fall.

STA 5825  COS-SAT  3(3,0)

SYA 3110  COS-SOC  3(3,0)
Social Theory: PR: SYG 2000 or C.I. Theories concerning the nature of mankind as a "social being." The nature and function of society, social organization, the development of social life as it relates to the social sciences. Conceptual analysis and critical evaluation of the study of human society to World War II. Spring.

SYA 3400C  COS-SOC  4(3,1)
Applied Social Statistics: PR: SYG 2000 or C.I. Application of statistical techniques to sociological data as conducted in the research and writing of scientific sociologists. Focus is on the analysis and interpretation of data used by sociologists. Fall.

SYA 4300C  COS-SOC  4(3,2)
Research Methods: PR: SYG 2000 or C.I. Sociological data collections, sampling techniques, grant proposal development, critical evaluation of social research, and relationship between theory and social research. Fall.

SYA 4310C  COS-SOC  4(3,1)
Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasis is on data collection, management, analysis, interpretation, integration, presentation, and report writing. Fall.

SYA 4450  COS-SOC  4(3,2)
Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced social research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.

SYA 4650C  COS-SOC  3(2,2)

SYA 4900  COS-SOC  4(3,1)
Applied Sociology: PR: SYA 4300C. How sociology is used outside academia, how to apply research methods in an applied research setting, and complete an applied research project. Odd Spring.

SYA 5025  COS-SOC  3(3,0)
ProSeminar: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological areas that currently dominate scholarly inquiry, including such topics as terrorism, crime, deviance, community, alcoholism, education. Fall.

SYD 3410  COS-SOC  3(3,0)

SYD 3720  COS-SOC  3(3,0)

SYD 3800  COS-SOC  3(3,0)

SYD 4020  COS-SOC  3(3,0)

SYD 4514  COS-SOC  3(3,0)

SYD 4813  COS-SOC  3(3,0)

SYG 2000H  COS-SOC  3(3,0)
Honors Introduction to Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.

SYG 2010  COS-SOC  3(3,0)
Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and urban problems. Fall, Spring.

SYG 3038  COS-SOC  3(3,0)
Careers in Sociology: PR: SYG 2000 or SYG 2010. Explore careers that sociology majors are prepared for upon graduation and tips for improving chances of obtaining a desired career. Fall.

SYO 3000  COS-SOC  3(3,0)

SYO 3360  COS-SOC  3(3,0)
Social Organization and Human Relations: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Analysis of business, government, and industrial organization. Topics include the organization, social systems, structure, effects of technology, motivation, leadership, decision-making, and human relations. Occasional.

SYO 3408  COS-SOC  3(3,0)
Sociology and Health: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Explores the ways in which non-human animals both enhance and diminish humans' health. 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 4100  COS-SOC  3(3,0)

SYO 4132  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)  
**Political Sociology:** PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Sociological analysis of political and parapolitical groups; socioeconomic variable of voting behavior, power elites; societies and systems of government. Occasional.

SYO 4323  COS-SOC  3(3,0)  
**Community and Diversity:** PR: One of SYG 2000, ANT 2000, or Junior standing. The formation of social systems in response to social problems and the implementation of public policy. Emphasis on diverse perspectives and ethical positions and their effects on the form and effectiveness of social systems. Occasional.

SYO 4400  COS-SOC  3(3,0)  
**Medical Sociology:** PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYO 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 health services, and delivery of health care. With Honors content. Occasional.

SYO 4401  COS-SOC  3(3,0)  
**Social Determinants of Health:** PR: One of SYG 2000, ANT 2000, or Junior standing. Social construction of health and illness, and 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. Occasional.

SYO 4402  COS-SOC  3(3,0)  
**Social Determinants of Health:** PR: One of SYG 2000, ANT 2000, or Junior standing. The role of popular music in social change and in reflecting American culture. Consideration is given to the nature of the popular music business. Occasional.

SYO 3540  COS-SOC  3(3,0)  

SYO 4550  COS-SOC  3(3,0)  

SYO 3551  COS-SOC  3(3,0)  

SYP 3602  COS-SOC  3(3,0)  
**Patterns of Popular Music in Society:** PR: One of SYG 2000, or Junior standing. The role of popular music in social change and in reflecting American culture. Consideration is given to the nature of the popular music business. Occasional.

SYP 3630  COS-SOC  3(3,0)  
**Popular Culture In Society:** PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Utilization of sociological concepts and theories to investigate sport as a social institution. Includes subjects of racism, sexism, drug abuse, violence, and current issues of sport. Occasional.

SYP 4304  COS-SOC  3(3,0)  
**Constructing Social Issues:** PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Sociological examination of social problems as an emergent process that involves collective definitions and legitimating organizations. Topics include deviance, race, gender and popular culture. Occasional.

SYP 4300  COS-SOC  3(3,0)  
**Sociological Social Psychology:** PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Sociological examination of social problems as an emergent process that involves collective definitions and legitimating organizations. Topics include deviance, race, gender and popular culture. Occasional.

SYP 3545  COS-SOC  3(3,0)  

SYP 4550  COS-SOC  3(3,0)  

SYP 4631  COS-SOC  3(3,0)  
**Social Issues in Film:** PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. The use of film to explore important social issues related to crime, substance use, health, war, social inequality, and the environment. Occasional.

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)  
**Seminars on Domestic Violence:** Theory, Research and Social Policy: PR: Graduate status or senior standing or C.I. A sociological examination and evaluation of theories, empirical research and social policy related to the study of domestic violence. Occasional.

SYP 5615  COS-SOC  3(3,0)  
**Sociology of Culture:** PR: Graduate standing or C.I. Major theoretical approaches and empirical studies in the sociology of culture and analysis of cultural processes. Occasional.

TAX 4001  BA-ACCT  3(3,0)  
**Taxation of Business Entities and Transactions:** PR: C.I. An examination of accounting, ACG 5313 with a grade of “C” (2.0) or better. Federal income tax laws affecting the taxation of business entities and transactions. Fall, Spring.

TAX 5015  BA-ACCT  3(3,0)  
**Advanced Tax Topics:** PR: Graduate standing. TAX 4001 with a “C” (2.0) or better. Advanced tax issues affecting business entities and their owners, with a primary focus on corporations and partnerships. Occasional.

THE 2000  CAH-THEA  3(3,0)  
**Theatre Survey:** Overview of the art and craft of the theatre. Restricted to non majors. Fall, Spring.

THE 2000H  CAH-THEA  3(3,0)  
**Honors Theatre Survey:** PR: Permission of Honors. Not restricted to theatre majors. Honors-level overview of the art and craft of the theatre. Fall, Spring.

THE 2020  CAH-THEA  3(3,0)  
**Survey of Theatre for Majors:** PR: Theatre major or minor. Overview of the art and craft of theatre. Fall.

THE 2050  CAH-THEA  3(3,0)  
**Theatre Studies in Creative Drama:** PR: Theatre major or minor. Techniques and theories for facilitating creative drama with youth, as both an art form and teaching tool. Occasional.

THE 2081C  CAH-THEA  3(2,1)  
**Introduction to UCF Theatre:** PR: Theatre major. Specific UCF Theatre Department production protocols and operations. Fall.
UCF Courses and Descriptions

THE 2090L CAH-THEA 1(0,VAR)  
Theatre Participation-Management I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 2305 CAH-THEA 3(3,0)  
Script Analysis for Theatre: PR: Theatre major. Exploration of dramatic form with focus on playscripts for productions. Fall, Spring.

THE 2925L CAH-THEA VAR(0,VAR)  
Theatre Participation: PR: Theatre major. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 3006 CAH-THEA 3(3,0)  

THE 3006H CAH-THEA 3(3,0)  

THE 3082 CAH-THEA 3(3,0)  
Theatre Careers: PR: B.A. Theatre major or minor, Sophomore standing, and "C" (2.0) or better in THE 2081C. Techniques to secure employment in theatre and related fields. Occasional.

THE 3171 CAH-THEA 3(3,0)  

THE 3240 CAH-THEA 3(3,0)  
Musical Theatre Survey: PR: Grade of "C" (2.0) or better required in THE 2020 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the present day. Occasional.

THE 3250 CAH-THEA 3(3,0)  
Sex, Drugs, & the Rock and Roll Musical: PR: ENC 1102. Overview of the Rock & Roll musical theatre genre including culture and development. Occasional.

THE 3272 CAH-THEA 3(3,0)  

THE 3311 CAH-THEA 3(3,0)  
Theatre History and Dramatic Literature I: PR: Theatre major, "C" (2.0) or better in THE 2305 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Fall, Spring.

THE 3312 CAH-THEA 3(3,0)  
Theatre History and Dramatic Literature II: PR: Theatre major, "C" (2.0) or better in THE 3311, THE 2005 and Sophomore standing. Theatre history and drama from the French neo-classicism to modern realism. Fall, Spring.

THE 3313 CAH-THEA 3(3,0)  
Theatre History and Dramatic Literature III: PR: Theatre major, "C" (2.0) or better in THE 3312 and Junior standing. Theatre history and drama from modern realism to present. Fall, Spring.

THE 3333 CAH-THEA 3(3,0)  
Shakespeare Skills: PR: Grade of "C" (2.0) or better in THE 2081C. Study of Shakespeare’s heightened language, scansion, and text from a theatrical point of view. Course not intended for BFA Theatre Acting Majors. Occasional.

THE 3383 CAH-THEA 3(3,0)  

THE 4093L CAH-THEA 1(0,VAR)  
Theatre Participation-Management II: PR: Theatre major or minor; "C" (2.0) or better in THE 2090L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 4212 CAH-THEA 3(3,0)  
Global Theatre: PR: Grade of C (2.0) or better required in ENC 1101 or ANT 2000. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. Occasional.

THE 4230 CAH-THEA 3(3,0)  
Cultural Diversity in Theater: PR: "C" (2.0) or better in ENC 1101 or ANT 2000. Commonality of human experience among various cultural groups through the study of dramatic literature. Occasional.

THE 4244 CAH-THEA 3(3,0)  
Musical Theatre History I: PR: B.F.A. Musical theatre major, "C" (2.0) or better required in THE 2001C. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. Fall.

THE 4245 CAH-THEA 3(3,0)  
Musical Theatre History II: PR: B.F.A. Musical theatre major, "C" (2.0) or better required in THE 2001C. Origins and evolution of Musical Theatre from the 1950s through the present. Spring.

THE 4284 CAH-THEA 3(3,0)  
Period Costume, Architecture, and Decor II: PR: "C" (2.0) or better in TPA 2000C and THE 3311. Costumes, furniture and decor from antiquity to the High Renaissance. Fall.

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 4284. Costumes, furniture and decor from the English Renaissance to the present. Occasional.

THE 4423 CAH-THEA 3(3,0)  
Women in Theatre: PR: Grade of C (2.0) or better in ENC 1101. An overview of women’s contributions to theatre. Occasional.

THE 4543H CAH-THEA 3(3,0)  

THE 4543I CAH-THEA 3(3,0)  
Theatre for Social Change: PR: Grade of C (2.0) or better in ENC 1101. Theatre activist’s impact on theatrical art forms. Occasional.

THE 4545L CAH-THEA 1(0,20)  
Theatre Exit Critique: CR: TPA 2210L. Development, theory, and practice of all areas of technical theatre production. Even Fall.

THE 4547L CAH-THEA 1(0,20)  
Theatre Exit Critique: CR: TPA 2210L. Development, theory, and practice of all areas of technical theatre production. Even Fall.

THE 5288 CAH-THEA 3(3,0)  

THE 5289 CAH-THEA 3(3,0)  

THE 5307 CAH-THEA 3(3,0)  

THE 5385 CAH-THEA 3(3,0)  
Dramatic Literature for Children: PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.

THE 5425 CAH-THEA 3(3,0)  
Women in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women’s contributions to theatre. Occasional.

THE 5545 CAH-THEA 3(3,0)  

THE 5910 CAH-THEA 3(3,0)  
Research Methods in Theatre: PR: MFA and MA in Theatre. Practice knowledge, skills and techniques needed by students to conduct research to include organization, styles, footnotes, and bibliographic forms. Fall.

THE 5945L CAH-THEA 10(2,0)  
Theatre Practicum I: PR: Graduate status or C.I. A laboratory course designed to develop students’ practical working knowledge in Theatre. Occasional.

THE 5946L CAH-THEA 10(2,0)  
Theatre Practicum II: PR: Admission into the graduate program, Theatre Practicum I. A laboratory course designed to develop students’ practical working knowledge in theatre. Occasional.

TPA 2000C CAH-THEA 3(2,2)  
Theatre Design Basics: PR: BFA Design and Technology or Stage Management major, "C" (2.0) or better required in THE 2002. Basic design skills for scenic, lighting and costume designers using color, grayscale, textures and symmetry to create a strong stage presence. Fall.

TPA 2010C CAH-THEA 3(2,2)  
Scenography: PR: "C" (2.0) or better in TPA 2000C and BFA Design and Technology or Stage Management major. Introduction to design for theatre, including scenery, lighting, and costume designers using color, grayscale, textures and symmetry to create a strong stage presence. Fall.

TPA 2071C CAH-THEA 3(2,2)  
Theatre Rendering: PR: "C" (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. Spring.

TPA 2170C CAH-THEA 2(2,2)  
Introduction to Theatre Production Documentation: PR: CGS 1060C. Presentation of information necessary to document design and production process. Spring.

TPA 2200 CAH-THEA 2(2,0)  
Introduction to Technical Theatre: PR: B.A. Theatre, B.F.A. Musical Theatre Acting major or Theatre minor, "C" (2.0) or better in THE 2020. Development, theory and practice of all areas of technical theatre production. Fall, Spring.

TPA 2200L CAH-THEA 1(0,6)  
Intro to Technical Theatre Lab: PR: or CR: TPA 3311L. Practical projects in scenic construction. Fall, Spring. M&S fee $45.00

TPA 2210 CAH-THEA 3(3,0)  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 2110L</td>
<td>CAH-THEA</td>
<td>1(0,6)</td>
<td>Stagecraft I Lab: PR: or CR: “C” (2.0) or better in TPA 2210L, Projects in scenic design. Occasional. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>TPA 2211</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Stagecraft II: PR: “C” (2.0) or better in TPA 2210L and TPA 2211L. Hand-drafting, properties design, and construction. Spring.</td>
</tr>
<tr>
<td>TPA 2211L</td>
<td>CAH-THEA</td>
<td>1(0,6)</td>
<td>Stagecraft II Lab: PR: “C” (2.0) or better in TPA 2210L and TPA 2211L, Hand-Drafting, properties design, and construction. Spring.</td>
</tr>
<tr>
<td>TPA 2220C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Stage Electronics: PR: “C” (2.0) or better in TPA 2081C and BFA Design and Technology or Stage Management major. Introduction to electronics for the stage, including electricity, lighting equipment and sound equipment. Fall. M&amp;S fee $44.00</td>
</tr>
<tr>
<td>TPA 2230C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Costume Construction: PR: BFA Design and Technology or Stage Management major. Lecture/laboratory study of the basic techniques used in the construction of stage costumes. Fall, Spring. M&amp;S fee $22.00</td>
</tr>
<tr>
<td>TPA 2290L</td>
<td>CAH-THEA</td>
<td>1(0,VAR)</td>
<td>Theatre Participation-Production I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&amp;S fee $47.00</td>
</tr>
<tr>
<td>TPA 2600</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Stage Management Basics: PR: “C” (2.0) or better in THE 2081C and BFA Design and Technology or Stage Management major. Functions and responsibilities of professional stage managers. Occasional.</td>
</tr>
<tr>
<td>TPA 3045C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Costume Design for Theatre I: PR: BFA Stage Management or Design &amp; Technology major and “C” (2.0) or better in THE 2305, TPA 2000C, and TPA 2071C. Projects in the fundamentals of costume design for the stage. Fall.</td>
</tr>
<tr>
<td>TPA 3060C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Scenic Design for Theatre I: PR: BFA Stage Management or Design and Technology major and “C” (2.0) or better in THE 2081C, TPA 2000C, TPA 2000C, and TPA 2450C. Projects in the fundamentals of lighting design for the stage. Fall.</td>
</tr>
<tr>
<td>TPA 3077C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Projects in scene painting techniques. PR: the stage major prior to, during, and after performance as related to Departmental productions as well as professional union requirements. Fall.</td>
</tr>
<tr>
<td>TPA 4066C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Advanced Scenography: PR: “C” (2.0) or better in TPA 3008C, TPA 3008C, TPA 2020C, or TPA 2020C. Projects based on student's area of concentration. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>TPA 4250C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>CADD for Theatre: PR: Design and Technology or Stage Management major and “C” (2.0) or better in THE 2081C. Dimensional computer drafting and design and its application for Theatre. Occasional. M&amp;S fee $23.00</td>
</tr>
<tr>
<td>TPA 4251C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>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&amp;S fee $43.00</td>
</tr>
<tr>
<td>TPA 4288L</td>
<td>CAH-THEA</td>
<td>1(0,VAR)</td>
<td>Theatre Participation-Production II: PR: “C” (2.0) or better in TPA 2290L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&amp;S fee $47.00</td>
</tr>
<tr>
<td>TPA 4384C</td>
<td>CAH-THEA</td>
<td>3(3,4)</td>
<td>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&amp;S fee $35.00</td>
</tr>
<tr>
<td>TPA 4400</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Theatre Management: PR: “C” (2.0) or better in THE 2020 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.</td>
</tr>
<tr>
<td>TPA 4401C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Theatre Careers in Production: PR: B.F.A. Design/ Tech or Stage Management, Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.</td>
</tr>
<tr>
<td>TPA 4602</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Advanced Stage Management: PR: B.F.A. Stage Management major, C (2.0) or better required in TPA 3601. Skills necessary for stage managers in contemporary entertainment. Fall.</td>
</tr>
<tr>
<td>TPA 5029C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Lighting Design Studio: PR: TPA 5042C and TPA 5062C. Advanced work in the process of designing light for the stage with an emphasis on the use of light as artistic expression. Occasional.</td>
</tr>
<tr>
<td>TPA 5042C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>Costume Design Studio: PR: Admission to the graduate program in Theatre or C.I. Project oriented course in the advance study of Costume Design. Occasional.</td>
</tr>
</tbody>
</table>
TPP 2100L CAH-THEA  (0,VAR)
Theatre Participation-Performance I: PR: Theatre major or minor or department consent. Participation in UCF Theatre productions. May be repeated for credit. Fall, Spring. M&S fee $48.00

TPP 2700C CAH-THEA  3(2,2)
Stage Speech/Voice: PR: BA Theatre major or minor and "C" (2.0) or better in THE 2020. Practical stage voice as it applies to performance. Credit cannot be applied towards BFA acting and musical theatre majors. Spring.

TPP 2710C CAH-THEA  2(1)

TPP 3103 CAH-THEA  3(3,0)
Intermediate Acting: PR: B.A. Theatre Studies major, BFA Design & Technology major, BFA Stage Management major or Theatre minor and "C" (2.0) or better in TPP 2101. Practice and execution of scene work, monologue work, and exercises. Fall, Spring.

TPP 3173CAH-THEA  3(2,2)
Improvisation: PR: BA Theatre major; "C" (2.0) or better in TPP 2101. Reinforcement of the techniques of TPP 2100. Fall, Spring.

TPP 3197L CAH-THEA                3(0,VAR)
Intermediate Acting: PR: BFA Theatre major and "C" (2.0) or better in TPP 3173L. Reinforcement of the techniques of TPP 3173CAH-THEA. Spring.

TPP 3251 CAH-THEA  2(2,2)
Musical Theatre Acting I: PR: B.F.A. Musical Theatre major and C (2.0) or better required in TPP 2110C. Practical acting techniques with solo musical theatre repertoire. Fall.

TPP 3252 CAH-THEA  3(3,0)
Musical Theatre Acting II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3251. Practical acting technique as it applies to musical theatre scene study. Spring.

TPP 3257CAH-THEA  2(2,2)
Musical Theatre Voice I: PR: B.F.A. Musical Theatre or B.F.A. Acting major and "C" (2.0) or better in THE 2020. Craft of singing including anatomy, physiology, and diction utilizing a theatrical performance approach. Fall.

TPP 3264CAH-THEA  3(3,2)
Acting on Camera: PR: BA Theatre major; "C" (2.0) or better in TPP 2101, TPP 3103, and THE 2020. Preparing the actor for professional work in the TV/Film industry. Occasional.

TPP 3310C CAH-THEA  3(2,2)
Directing for Theatre I: PR: Theatre majors. Senior Standing and "C" (2.0) or better required in THE 3312. Principles and techniques of stage direction to include script selection, directorial analysis, casting, compositions/ picturization, blocking, tempo, and rehearsal planning. Fall, Odd Fall.

TPP 3510C CAH-THEA  2(1)
Movement for the Actor I: PR: BFA Acting Major. Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. Fall.

TPP 3513C CAH-THEA  2(1)
Movement for the Actor II: PR: C (2.0) or better in TPP 3510C. Reinforcement of the techniques of TPP 3510C. Fall.

TPP 3710C CAH-THEA  2(2,1)
Voice Production II: PR: "C" (2.0) or better in TPP 2710C. Reinforcing stage voice awareness introduced in TPP 2710C, focusing on a physical approach to acting text. Spring.
TTP 5515 CAH-THEA 2(2.0) Movement Studio I: 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.

TTP 5516C CAH-THEA 2(2.1) Movement Studio II: PR: TTP 5515 or C.I. Principles and methods of movement for the stage focusing on specific knowledge and skills in periods style of movement and basic unamrd combat. Spring.

TTP 5545C CAH-THEA 2(2.4) Musical Theatre Dance I: PR: MFA Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. Fall.

TTP 5555C CAH-THEA 2(2.4) Musical Theatre Dance II: PR: TTP 5545C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. Spring.

TTP 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: correct production of sound, relaxation of physical tension, and articulation Fall.

TTP 5716C CAH-THEA 2(2.1) Stage Voice II: PR: Admission to the MFA Performance program and TTP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner’s narrow transcription with consonants, revision of all linklater work, and introduction to the work of Arthur Lessac. Spring.

TTP 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 the performance placing particular emphasis upon vocal technique. Fall.

TTP 5935C CAH-THEA 2(2.2) Contemporary Practices in Youth Theatre: PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. Odd Spring.

TSL 3346 CAH-LANG 3(3.0) English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TSL 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 4363 CAH-LANG 3(3.0) ESL Classroom Experiences: PR: TSL 3340 or C.I. 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, theory, and practical application of 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. Practical application of research and theory on teaching and assessing academic language and disciplinary literacy for 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 Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESLOL, 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. Theoretical and pedagogical approaches to ESOL reading and writing. Occasional.

TSL 5380 CAH-LANG 3(3.0) Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasis on computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.

TSL 5525 ED-TL&L 3(3.0) ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. Occasional.


TSL 5940 CAH-LANG 3(3.0) Issues in TEFL: PR: Graduate status or senior standing or C.I. Addresses issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural studies, and curriculum syllabus design. Fall, Spring.

TTE 3810 ECS-CECE 3(3.0) Highway Engineering: PR: STA 3032 with a grade of “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 such as safety, Intelligent Transportation Systems, and airport transportation will be covered. Fall, Spring.

TTE 4601C ECS-CECE 3(2.2) Urban Systems Design: PR: TTE 3810 with a grade of “C” (2.0) or better and department consent. Project design course covering principles/techniques of planning, traffic analysis, and highway design. Including projecting traffic volumes, laying out 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 speed, vehicle characteristics, and design for street capacity, signals, signs, and markings. Occasional.

TTE 5805 ECS-CECE 3(3.0) Geometric Design of Transportation Systems: PR: TTE 3810 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.

TTE 5835 ECS-CECE 3(3.0) Pavement Design: PR: CEG 4011C. Pavement types, wheel loads, 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 1603C, COM 1000, or C.I. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

VIC 4312 COS-COMM 3(3.0) Power Branding: PR: Ad/PR majors only; MMC 3630, ADV 4101, and MMC 3420, or C.I. The importance of brand equity as well as how to build, measure, and manage brand equity. Fall, Spring.

WOH 2012 CAH-HIST 3(3.0) World Civilization I: PR: Permission of Honors. 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 2012H CAH-HIST 3(3.0) Honors World Civilization I: 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. Fall, Spring.

WOH 2022 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 2022H 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 2010 or C.I. Compares origins, development, and outcomes of the American, French, Latin American, and Haitian Revolutions. Occasional.

WST 3015 CAH-WOM 3(3.0) Introduction to Women’s Studies: PR: ENC 1102 or C.I. Interdisciplinary course introducing students to key issues and problems 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 interdisciplinary 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: WST 3015 or C.I. Feminist perspectives applied to current community issues. Interdisciplinary analysis through service learning and field research. Issues will vary. May be repeated for credit. Occasional.

WST 3522 CAH-WOM 3(3,0)
First and Second Wave Feminisms: PR: ENC 1102. History of Western feminist thought, from the late eighteenth century to the 1980's, 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 3603 CAH-WOM 3(3,0)
Introduction to Gender Studies: PR: ENC 1101. Historical and theoretical foundations of gender, sexuality, and intersectional theories with attention to fluidity of identities and diversity of experiences. Even Fall.

WST 3621 CAH-WOM 3(3,0)
Theories of Masculinity: PR: ENC 1102. Masculinity from a feminist perspective, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WST 4002 CAH-WOM 3(3,0)

WST 4021 CAH-WOM 3(3,0)

WST 4022 CAH-WOM 3(3,0)

WST 4023 CAH-WOM 3(3,0)

WST 4349 CAH-WOM 3(3,0)

WST 4415 CAH-WOM 3(3,0)

WST 5347 CAH-WOM 3(3,0)
Research in Women and Gender Studies: PR: Graduate standing or senior standing, or C.I. To explore feminist research methodologies and investigate relationships among feminist theory, research, social change, and gender equality as experienced at the workforce in private, public and non-profit spheres. Even Fall.

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 interdisciplinary approaches to gender and sexuality. Even Fall.
ZOO 5745C COM-BSBS 4(3,3)
Essentials of Neuroanatomy: PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Occasional. M&S fee $15.00

ZOO 5748C COM-BSBS 5(3,2)
Clinical Neuroanatomy: PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. Fall.

ZOO 5749C COM-BSBS 5(3,2)
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, neurooncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.
ABRAHAM, CHARLIE, (2008), Ph.D. (Boston University) Professor of Optics (2011), B.S., Ph.D. (Iowa State University) Electrical and Computer Engineering (Southeastern University) Administration

ABDOULVAND, REZA, Associate Professor Electrical and Computer Engineering (2014), B.S., M.S., Ph.D. (Georgia Institute of Technology)


ABICHAIR, ZAKHIA, Lecturer of Electrical and Computer Engineering (2011), B.S., Ph.D. (Iowa State University)

ABOURADDY, AYMAN, Assistant Professor of Optics (2008), Ph.D. (Boston University)

ABRAHAM, CHARLIE, Associate Professor of SVAD (1996), B.F.A., M.F.A. (University of Mississippi)

ADAMS, JOANNE, Lecturer of SVAD (2008), B.F.A, M.F.A (University of Florida)

ADAMS, KENNETH, Professor of Criminal Justice (2003), Ph.D. (State University of New York at Albany)

ADAMS, MICHELLE, Associate Instructor of History (2007), B.A., M.A. (Northeastern Illinois University)

AHANGARI, RAHELEH, Associate Professor of Mechanical and Aerospace Engineering (2009), B.S., M.S., Ph.D. (University of Buffalo)

AJAYI, RICHARD A., Associate Professor of Finance (1996), B.Sc., M.B.A., Ph.D. (Temple University)

AL-DEEK, HAITHAM, Professor of Civil, Environmental, and Construction Engineering (1992), B.C.E., M.S., Ph.D. (University of California at Berkeley), P.E. (Florida)

AL-RAWI, AYHAM, Lecturer of Physics (2010), Ph.D. (Kansas State University)

ALARCON-NEGY, ALMA, Instructor of Spanish (2002), B.A., M.A., Ph.D. (University of Houston)

ALBERS-BIDDLE, LAURA, Associate Instructor, College of Education & Human Performance (2001), B.A., M.Ed. (University of Central Florida)

ALDERMAN, BARBARA, Assistant Librarian (2002), B.A., M.S. (Florida State University)

ALFORD, DELesO, Associate Professor of Medicine (2014), J.D. (Southern University Law Center)

ALLEN, Darryl E., Lecturer of Accounting (2003), B.B.A., M.B.A., Ph.D. (George Washington University)

ALLEN, DAWN, Instructor and Clinical Coordinator, College of Nursing (2001), M.S.N. (University of Central Florida)


ALLEN, KAY W., Associate Professor, College of Education & Human Performance (1990), B.S., M.Ed., Ph.D. (University of Florida)

ALLRED, KELLY, Assistant Professor and Undergraduate Coordinator, College of Nursing (2007), B.S.N., M.S.N., C.N.E., Ph.D. (University of Central Florida)

ALMEIDA, JOHN A., Associate Professor of Music (1997), B.M., M.A. (Appalachian State University)

ALTMORE, DEBORAH, Assistant Professor (2009), Ph.D. (Rutgers University)

AMBIVERO, CAMILLA, Assistant Professor of Sociology (2013), Ph.D. (University of Central Florida)

AMBROSE, MAUREEN L., Gordon J. Barnett Professor of Business Ethics (1999), B.A., A.M., Ph.D. (University of Illinois at Urbana-Champaign)

AMEZCUA-CORREA, RODRIGO, Research Assistant Professor of Optics (2011), Ph.D. (Optoelectronics Research Centre (ORC) of Southampton University)

ANGIOLY, ANTHONY J., Lecturer of Accounting (2013), B.S., M.P.A., Ph.D. (University of Georgia)

AN, LINAN, Professor of Materials Science and Engineering (2001), Ph.D. (Lehigh University)

ANDERSON, THADEUS A., Assistant Professor of Music (2006), B.M.E., M.M., D.M.A. (University of Tennessee)

ANDREASEN, JANET, Lecturer/Coordinator, College of Education & Human Performance (2000), B.S., M.A., Ph.D. (University of Central Florida)

ANDREWS, DIANE, Associate Professor, College of Nursing (2006), M.S.N., Ph.D. (University of Central Florida)

ANGEL, SARAH, Instructor of Electrical Engineering and Computer Science (2013), M.S. (University of Central Florida)

ANGELOPoulos, THEODORE, Professor in Physical Therapy and Health Sciences (1998), B.S., M.S., M.P.H., Ph.D. (University of Pittsburgh)

ANOGLY, PATRICIA, Associate Lecturer of English (1998), B.A., M.A., Ph.D. (University of Hawaii)

ANTHONY, AMANDA, Assistant Professor of Sociology (2011), B.A., M.S., Ph.D. (Florida State University)

APPLEN, J.D., Associate Professor of English (1997), B.S., M.F.A., Ph.D. (University of Arizona)

ARNOLD, VICKY J., Chairholder, Ernst & Young Professorship and Professor of Accounting (2005), B.A., B.M.A., Ph.D. (University of Arizona) Florida).

ARON, KAREN, Professor, College of Nursing (2008), F.A.A.N., B.S., M.S., Ph.D. (University of Washington)

ARTHUR, MICHAEL A., Head, Acquisitions & Collections and Associate Librarian (2006), B.S., M.L.S., M.P.A. (Old Dominion University)

ASMAR, ABD, Assistant Professor of Neurology (2011), M.D. (Kuwait Institute for Scientific Researches)

ATIA, GEORGE, Assistant Professor of Electrical and Computer Engineering (2012), B.S., M. Sc., Ph.D. (Boston University)

AYSUN, ULUC, Assistant Professor of Economics (2011), B.S., M.A., Ph.D. (University of Central Florida)

AZMI, CYRUS, Lecturer of Psychology (2006), B.S., M.A., Ph.D. (Michigan State University)

BAIK, PATRICK, Clinical Assistant Professor of Psychology and Director of Psychology Clinic (2012), Ph.D. (University of Nevada, Reno)

BAGGI, ULAS, Assistant Professor of Electrical Engineering and Computer Science (2015), B.S., M.S., Ph.D. (University of Nottingham)

BAIGLEY, GEORGE M., Associate Professor of Communication (1994), B.A., M.A. (University of Utah)

BAI, HAIYAN, Associate Professor, College of Education & Human Performance (2000), B.A., M.A., Ph.D. (University of Central Florida)

BAI, YUANLI, Assistant Professor of Mechanical and Aerospace Engineering and Secondary Joint Assistant Professor of Materials Science and Engineering (2011), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

BAKER, BARRY B., Director, University Libraries (1997), B.A., M.L.S. (Louisiana State University)

BAILEY, GEORGE M., Associate Professor of Communication (1994), B.A., M.A. (University of Utah)

BALLANTYNE, JOHN, Professor of Chemistry (1997), B.S., M.S., Ph.D. (University of Rhode Island)

BALLINGER, BETHANY, Associate Professor Emergency Medicine (2009), M.D. (University of London)

BARAJAS, HECTOR, Assistant Professor Military Science, Executive Officer (2013), B.S. (University of Central Florida)

BARBER, SARAH, Associate Professor of Anthropology (2007), Ph.D. (University of Colorado)

BARDEN, SEJAL, Assistant Professor, College of Education & Human Performance (2011), B.S., M.Ed. Ed.S. (Ph.D. (University of Central Florida)

BARFIELD II, RUFUS, Associate Professor of Communication (1998), B.A., M.A., Ph.D. (Howard University)

BARKLEY, LISA, Assistant Dean of Diversity and Inclusion and Assistant Professor of Family and Sports Medicine (2010), M.D. (Temple University)

BARNICKEl, AMY, Lecturer of Writing & Rhetoric (2010), B.A., M.A., Ph.D. (University of Central Florida)

BARONE, BRIAN, Instructor of Italian (2005), B.A., M.A. (University of Notre Dame)

BARTKEVIcIUS, JOCelyn, Associate Professor of English (1994), B.A., M.A., M.F.A., Ph.D. (University of Iowa)


BASIOUNI, MOSTAPA, Professor of Electrical Engineering and Computer Science (1981), B.S., M.S., Ph.D. (Pennsylvania State University)

BAY, CAROL M., Associate Professor of Legal Studies (1992), B.A., M.A., J.D. (New York Law School)

BATARSEH, ISSA E., Professor of Electrical and Computer Engineering (1991), B.S., M.S., Ph.D. (University of Illinois at Chicago), P.E. (Florida)

BAUDELET, MATTHIEU, Research Assistant Professor of Optics (2016), B.S., M.S., Ph.D. (University of Lyon)

BAUDOT, LISA R., Assistant Professor of Accounting (2013), B.S., M.B.A., M.S., Ph.D. (Ecole Superieure des Sciences Economiques et Commerciales)

BAUER, SUZAN, Lecturer of Spanish (2012), B.A., M.A., Ph.D. (Tulane University)

BAYEY, CYNDIA A., Professor of Biology (2013), B.S., Ph.D. (Syracuse University)

BAZ, GHADA, Instructor of Management (2011), B.A., M.B.A. (Georgia State University)

BECKER, DEBORAH, Associate Faculty, College of Education & Human Performance (2001), B.A., M.S.Ed. Ed.D. (University of Central Florida)
CROES, ROBERTO, Chair, Department of Tourism, Events and Attractions, Professor of Hospitality Management (2002), B.A., M.A., Ph.D. (University Twente Netherlands)
CROFT, MAX, Research Associate, SVAD (2005), B.F.A. (Florida State University)
CROSSLING, CRAIG D., Assistant Professor of Management (2012), B.S., M.A., Ph.D. (Bowling Green University)
CULIP, ANNE MCDONALD, Professor, College of Education & Human Performance (2005), B.S., M.A., Ph.D. (University of Kansas)
CULIP, REX, Professor, College of Education & Human Performance (2005), B.S., M.A., Ph.D. (University of Kansas)
DA VITORIA LOBO, NIELS, Associate Professor of Electrical Engineering and Computer Science (1992), B.Sc., M.Sc., Ph.D. (University of Toronto)
DAHER, SAMIR P., Lecturer of Management (2011), B.A., M.B.A., Ph.D. (Ohio State University)
DAGLEY, MELISSA, Executive Director of STEM, COS/CECS (2001), Ed.D. (University of Central Florida)
DANDROW, EDWARD, Lecturer of History (2007), B.A., M.A. Ph.D. (University of Colorado)
DANGIOLO, MARIANA, Assistant Professor of Family and Geriatric Medicine (2010), M.D. (University de Buenos Aires)
DANIELSSON, PER, Associate Professor of Music (2007), B.A., M.M. (University of South Florida)
DANKER, LISA, Assistant Professor of SVAD (2004), B.A., M.A., M.F.A. (University of Wisconsin-Milwaukee)
DAQOUDI, MOHAMMED, Instructor of Chemistry (2011), B.S., M.S. (University of Central Florida)
DARYT, AMY, Instructor of History (2004), B.A., M.A. (University of Central Florida)
DAS, TIRTHAMANOY, Assistant Professor of Economics (2014), B.Sc., M.A., Ph.D. (State University of New York at Binghamton)
DAS, TUHIN, Assistant Professor of Mechanical and Aerospace Engineering (2011), B.Tech., M.S., Ph.D. (Michigan State University)
DAVEY, DIANE, Interim Chair of Clinical Sciences, Assistant Dean of Graduate Medical Education and Professor of Pathology (2007), M.D. (Washington University)
DAVISON, VICTOR, Professor (2011), Ph.D. (Texas Tech University)
DI CHIARA, DEBRA, Instructor, College of Nursing (2006), B.S.N., M.S.N. (University of Central Florida)
DIBERNARDO, SABATINO, Associate Lecturer of Religion, Philosophy, and Humanities (2001), B.A., M.A., M.Phil., Ph.D. (Syracuse University)
Jones, F. O., Associate Dean, College of Business Administration, and Associate Professor of Management (1989), B.S., M.B.A., Ph.D. (University of Georgia)

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JOSHI, AMIT, Associate Professor of Marketing (2000), B.E., P.G.D.M., Ph.D. (University of California, Los Angeles)

JUDY, JONATHAN E., Chef Instructor of Hospitality Management (2010), B.A., M.A. (University of South Florida)

JUGE, FRANK E., Professor of Hospitality Management and Professor Emeritus of Chemistry (2005), B.S., Ph.D. (University of Arkansas)

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KADEK, WILLIAM, Assistant Professor of Physics (2010), Ph.D. (University of Utah)

KALLINA, EDMUND F., JR, Professor of History (1970), B.A., M.A., Ph.D. (Northwestern University, Harvard University)

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KARWOWSKY, WALDEMAR, Chair and Professor of Industrial Engineering (2007), M.S., Ph.D., D.Sc. (Texas Tech University), P.E. (Texas)

KASSAB, ALAIN J., Professor of Mechanical and Aerospace Engineering (1991), B.S., M.S., Ph.D. (University of Florida)

KASSIM, HUSAIN, Associate Professor of Philosophy and Religion (1970), B.A., M.A., I.L.L.B., Ph.D. (University of London)

KATSEVICH, ALEXANDER, Professor of Mathematics (1996), B.S., M.S., Ph.D. (Kansas State University)

KATT, JAMES, Associate Professor of Communication and Area Coordinator of Human Communication (2003), B.A., B.A., M.A., Ph.D. (University of South Florida)

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KAUP, DAVID, Provost’s Distinguished Research Professor (2001), B.S., M.S., Ph.D. (University of Maryland)


KELLER, CHARLES F., Associate Professor of Accounting (1985), B.S., M.S., Ph.D. (Texas A&M University)

KELLY, RYAN, Assistant Professor of Music (2014), B.M.E., M.M., D.M.A. (University of Texas)

KENNERLEY, MARGARET ANN, Lecturer of Psychology (2001), Ph.D. (University of South Carolina)

KENT-WALSH, JENNIFER, Associate Professor of Communication Sciences and Disorders (2003), B.Ed., M.S., Ph.D. (Pennsylvania State University)


KESLER, THOMAS R., Associate Lecturer of English (1997), B.A., M.A., M.F.A. (Spalding University)

KHAIKHAN, MERCEDEH, Assistant Professor of Optics (2012), Ph.D. (University of Minnesota)

KHALED, ANNETTE, Associate Professor, Coordinator of Biomedical Sciences Ph.D. (2002), Ph.D. (University of Florida)

KHONDAKER, SAIFUL, Associate Professor of Physics (2006), Ph.D. (Cambridge University, UK)

KIBBLE, JONATHAN, Assistant Dean of Medical Education and Professor of Physiology (2008), Ph.D. (University of Manchester)

KIBLER, KELLY M., Assistant Professor of Civil, Environmental, and Construction Engineering (2013), B.S., M.S., Ph.D. (Oregon State University)

KIK, PIETER G., Associate Professor of Optics and Associate Professor of Physics (2003), Ph.D. (F.O.M. Institute, Amsterdam)

KILDORF, LANCE, Colonel, USAF, Professor of Aerospace Studies (2014), B.A., M.A., M.A.S., M.S. (Naval War College)

KILLINGSWORTH, ELIZABETH, Acting Head, Information Literacy & Outreach and Associate Librarian of Sciences Ph.D. (2003), M.S., Lib.S. (University of North Texas)

KILMAN II, MARCUS D., Head, Circulation Services and Assistant Librarian of Science (1996), B.S., M.S.L.S. (University of Texas)

KING, STEPHEN, Professor of Political Science (2008), B.A., M.A., Ph.D. (Binghamton University, SUNY)

KING, YOON SEONG, Associate Professor of Political Science (2010), Ph.D. (Weil Cornell Graduate School of Medical Sciences)

KING, JOSUA, Assistant Professor of Biology (2006), B.S., Ph.D. (University of Florida)

KING, STEPHEN, Associate Professor (2011), Ph.D. (University of Colorado)

KING-MORRIS, KELLY, Assistant Professor of Internal Medicine (2013), M.D. (University of South Florida)

KINNALLY, WILLIAM, Associate Professor of Communication (2006), B.A., M.A., Ph.D. (Florida State University)

KINSELLA, BARBARA, Assistant Chair and Associate Professor of Political Science (2002), B.A., Ph.D. (Washington University in St. Louis)

KISBY, CYNTHIA M., Head, Regional Campus Libraries and Associate Librarian (1996), B.A., M.A.L.S. (Dominican University)

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KIZILDAG, MURAT, Assistant Professor of Hospitality Management (2014), B.S., M.S., M.S.B.A., Ph.D. (Texas Tech University)

KLABHEKE, MARTIN, Assistant Dean of Medical Education and Professor of Psychiatry (2010), M.D. (University of Kentucky)

KLEMM, RICHARD A., Associate Professor of Physics (2010), B.A., M.A., Ph.D. (University of Florida)

KNOX, CLAIRE, Assistant Professor of Public Administration (2010), Ph.D. (Florida State University)

KNOX, DEBRA, Clinical Educator of Communications Sciences and Disorders Clinic (2012), B.S., M.S. (Nova Southeastern University)

KNOX, JONATHAN O., Associate Professor of Political Science (1998), B.A., M.A., Ph.D. (University of New Orleans)

KOBASZ, MARGARITA L., Lecturer of Legal Studies (2004), B.A., J.D. (Sleton University)

KOCULI, EDA, Assistant Professor of Chemistry (2013), B.S., M.S., Ph.D. (The John Hopkins University)

KOGER, PHILIP C., Associate Faculty, College of Education & Human Performance (1999), B.A., MAT, Ed.S., Ed.D. (University of South Carolina)

KOHNK, ROBIN M., B.S.W. Program Coordinator and Associate Instructor of Social Work (2000), B.A., M.S.W., L.C.S.W. (Florida State University)

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<td>ZHAI, LEI</td>
<td>Associate Professor of Nanoscale Science and Technology</td>
<td>(2005), B.S., M.S., Ph.D. (Carnegie Mellon University)</td>
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</tr>
<tr>
<td>ZHANG, HONG</td>
<td>Associate Professor of Chemistry</td>
<td>(1996), B.A., M.A., Ph.D. (University of Arizona)</td>
<td></td>
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<tr>
<td>ZHANG, SHAOJIE</td>
<td>Associate Professor of Electrical Engineering and Computer Science</td>
<td>(2007), B.S., M.S., Ph.D. (University of California, San Diego)</td>
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<tr>
<td>ZHANG, YING</td>
<td>Associate Librarian</td>
<td>(1996), B.A., M.A.L.I.S. (University of Southern California)</td>
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<td>ZHAO, JIKE</td>
<td>Associate Professor</td>
<td>(2010), Ph.D. (Tohoku University)</td>
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<tr>
<td>ZHAO, YUE</td>
<td>Professor of Mathematics</td>
<td>(1999), B.S., M.S., Ph.D. (Ohio State University)</td>
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<tr>
<td>ZHENG, QIPENG</td>
<td>Assistant Professor of Industrial Engineering</td>
<td>(2013), B.S., M.S., Ph.D. (University of Science and Technology)</td>
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<td>ZHIMUDSKY, OLEKSANDR</td>
<td>Lecturer of Physics</td>
<td>(2005), M.S., Ph.D. (Kiev State University, Ukraine)</td>
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<td>ZHOCH, JIE</td>
<td>Assistant Professor of Mathematics</td>
<td>(2013), Ph.D. (University of Southern California)</td>
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<tr>
<td>ZOU, CLIFF</td>
<td>Associate Professor of Electrical Engineering and Computer Science</td>
<td>(2005), B.S., M.S., Ph.D. (University of Massachusetts)</td>
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<td>ZOU, SHENGLI</td>
<td>Assistant Professor of Chemistry</td>
<td>(2006), B.A., M.S., Ph.D. (Emory University)</td>
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<td>ZRAICK, RICHAD</td>
<td>Professor and Chair of Communication Sciences and Disorders</td>
<td>(2014), B.A., M.S., Ph.D. (Arizona State University)</td>
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<td>ZUGELDER, BRYAN</td>
<td>Executive Director of Undergraduate Affairs &amp; Partnerships, College of Education &amp; Human Performance</td>
<td>(2005), B.S., M.S., Ed.D. (Nova Southeastern University)</td>
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<td>ZYGOUSIS-COE, VICKY</td>
<td>Professor, College of Education &amp; Human Performance</td>
<td>(1999), B.S., M.A., Ph.D. (University of Florida)</td>
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</table>
BOSA, SUBIR K., Professor Emeritus of Physics (1987), B.Sc., M.Sc., Ph.D. (University of Allahabad)
BOZEMAN, WILLIAM C., Professor Emeritus, College of Education & Human Performance (1985), B.A., M.Ed., Ph.D. (University of Wisconsin)
BRENNAN, JOHN J., Professor Emeritus of Physics (1968), B.S., M.S., Ph.D. (Georgia Institute of Technology)
BRIGHAM, ROBERT C., Professor Emeritus of Mathematics and Computer Science (1970), B.S., M.S., Ph.D. (New York University)
BURROUGHES, WAYNE A., Professor Emeritus of Psychology (1969), B.A., M.A., Ph.D. (University of Tennessee)
CALLARMA, WILLIAM G., Associate Professor Emeritus of Management (1972), B.B.A., M.B.A., Ph.D. (Arizona State University)
CANAN, PENELPO, Professor Emeritus of Sociology (2006), B.A., M.A., Ph.D. (University of Denver)
CARRoLL, WILLIAM F., Professor Emeritus of Engineering (1985), B.S., M.S., Ph.D. (University of Illinois), P.E. (California, Florida and Illinois)
COLBORN, TREVOR, President Emeritus, Professor of History, and Special Assistant to the UCF Foundation Chief Executive Officer (1978), B.A., A.M., M.A. (Johns Hopkins University)
COMISH, NEWEL W., Professor Emeritus of Management (1968), B.S., M.S., Ph.D. (Ohio State University)
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HSOIN, YASSER A., Professor Emeritus of Industrial Engineering (1976), B.S.M.E., M.S., Ph.D. (University of Arkansas), P.E. (Florida)
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KervestEN, ROBERT D., Dean Emeritus and Professor Emeritus of Engineering (1998), B.S., M.S., Ph.D. (Northwestern University), P.E. (Florida, Arizona, and Oklahoma)
KuE, JEAN C., Associate Professor Emerita, Nursing (1995), B.S,N., M.A., Ph.D. (New York University)
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WHITE, ROSEANN S., Professor Emerita of Molecular Biology and Microbiology, and Associate Director of Burnett School of Biomedical Sciences (1969), Ph.D. (University of Texas S.W. Medical Branch)


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WOOLF, EDGAR B., Associate Professor Emeritus of Communication (1972), B.S., M.B.A., Ph.D. (Florida State University)

YEH, GOUR-TSYH, Professor Emeritus of Civil, Environmental, and Construction Engineering (2000), B.S., M.S., Ph.D. (Cornell University), P.E. (New York, Massachusetts, California, Tennessee, Pennsylvania)

YOUSEF, YOUSF A., Professor Emeritus of Civil, Environmental, and Construction Engineering (1970), B.S.C.E., M.S., Ph.D. (University of Texas), P.E. (Florida, Texas)
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<tr>
<th>Date</th>
<th>Degree Name and Titles</th>
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<tbody>
<tr>
<td>December 1969</td>
<td>Kurt H. Debus, Doctor of Engineering Science</td>
</tr>
<tr>
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<td>William H. Dial, Doctor of Commercial Science</td>
</tr>
<tr>
<td>June 1970</td>
<td>John W. Young, Doctor of Applied Sciences</td>
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<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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<tr>
<td>June 1979</td>
<td>Albert F. Hegenberger, Doctor of Engineering Science</td>
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<td>Lee R. Scherer, Doctor of Engineering Science</td>
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<tr>
<td>December 1979</td>
<td>Joseph Daniel Duffy, Doctor of Humane Letters</td>
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<tr>
<td>June 1980</td>
<td>Thelma Vivian Jackson Dudley, Doctor of Humanities</td>
</tr>
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<td>December 1981</td>
<td>Howard Phillips, Doctor of Public Service</td>
</tr>
<tr>
<td>April 1982</td>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
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<td>Ferdinand Duda, Doctor of Agricultural Service</td>
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<td>John Duda, Doctor of Agricultural Service</td>
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<td>Robert J. Whalen, Doctor of Engineering Science</td>
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<td>July 1982</td>
<td>Mary Jo Davis, Doctor of Public Service</td>
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<td>William E. Davis, Doctor of Public Service</td>
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<tr>
<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>Charles Wadsworth, Doctor of Public Service</td>
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<td>December 1984</td>
<td>Allan E. Gotieb, Doctor of Laws</td>
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<td>May 1985</td>
<td>George J. Becker, Jr., Doctor of Public Service</td>
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<td>Jerry Collins, Doctor of Public Service</td>
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<td>D. Robert Graham, Doctor of Public Service</td>
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<td>Walter H. Lownie, Doctor of Engineering Science</td>
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<td>William C. Schwartz, Doctor of Engineering Science</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>December 1988</td>
<td>Sven Caspersen, Doctor of Engineering Science</td>
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<td>John D. Holloway, Doctor of Public Service</td>
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<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
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<td>May 1989</td>
<td>Frank M. Hubbard, Doctor of Public Service</td>
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<td>David Albertson, Doctor of Humane Letters</td>
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<td>William S. Jenkins, Doctor of Humane Letters</td>
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<td>James C. Robinson, Doctor of Public Service</td>
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<td>Charles N. Millican, Doctor of Laws</td>
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<td>May 1990</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
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<td>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 Bloembergen, Doctor of Science</td>
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<td>December 1996</td>
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<td>May 1997</td>
<td>Maxwell C. King, Doctor of Public Service</td>
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<td>Joe R. Lee, Doctor of Commercial Science</td>
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<td>August 1998</td>
<td>Trevor Colbourn, Doctor of Humane Letters</td>
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<td>December 1998</td>
<td>Linda W. Chapin, Doctor of Public Service</td>
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<td>December 1999</td>
<td>Oscar Arias, Doctor of Humane Letters</td>
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<td>Reubin Askew, Doctor of Public Service</td>
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<td>Desmond Tutu, Doctor of Humane Letters</td>
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<td>May 2000</td>
<td>Lolfi Zadeh, Doctor of Science</td>
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<td>May 2001</td>
<td>James Bacchus, Doctor of Public Service</td>
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<td>Richard M. Karp, Doctor of Science</td>
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<td>Joseph F. Traub, Doctor of Science</td>
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<tr>
<td>May 2002</td>
<td>LeRoy T. Walker Sr., Doctor of Public Service</td>
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<td>Richard M. DeVos, Sr., Doctor of Commercial Science</td>
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<td>October 2002</td>
<td>Albert Burnett, Doctor of Commercial Science</td>
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<td>Nancy Burnett, Doctor of Commercial Science</td>
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<td>Lester Mandell, Doctor of Commercial Science</td>
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<tr>
<td>May 2005</td>
<td>Harriet Elam-Thomas, Doctor of Public Service</td>
</tr>
<tr>
<td>March 2006</td>
<td>Anibel Acevedo Vila, Doctor of Public Science</td>
</tr>
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<td>December 2006</td>
<td>Rita Bornstein, Doctor of Humane Letters</td>
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<tr>
<td>May 2007</td>
<td>Charles Hard Townsend, Doctor of Science</td>
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<tr>
<td>December 2008</td>
<td>Robert Vander Weide, Doctor of Commerce</td>
</tr>
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<td>May 2009</td>
<td>Howard Lance, Doctor of Science</td>
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<td>December 2009</td>
<td>Jerry S. Roth, Doctor of Commercial Science</td>
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<tr>
<td>December 2011</td>
<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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<tr>
<td>May 2013</td>
<td>William Jefferson Clinton, Doctor of Humane Letters</td>
</tr>
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<td></td>
<td>Michael M. Crow, Doctor of Humane Letters</td>
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<tr>
<td>August 2014</td>
<td>Judith A. Albertson, Doctor of Humane Letters</td>
</tr>
<tr>
<td></td>
<td>Phyllis A. Klock, Doctor of Commercial Science</td>
</tr>
<tr>
<td>December 2014</td>
<td>Alan Ginsburg, Doctor of Public Service</td>
</tr>
<tr>
<td></td>
<td>Richard Walsh, Doctor of Commercial Science</td>
</tr>
</tbody>
</table>

*HONORARY DEGREES AWARDED*

*President John C. Hitt with Dr. Phyllis A. Klock*
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.ades.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.

CL: 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 thirteen 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), Undergraduate Studies, and Rosen College of Hospitality Management (RCHM).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meets 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 who fails to achieve a minimum 2.0 UCF GPA during a subsequent term is disqualified. 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 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 during a subsequent term 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.

FYE: First Year Experience.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student’s life.

Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of “C-” (1.75) or better.

GPA: “Grade Point Average”: the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.
Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator”, this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months 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: a major that has additional admission requirements (e.g. early application date, a separate application, or specific GPA requirements). 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, personal identification and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights Email account, telephone number, and permanent mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and Drop/Swap, print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs and, since July 1, 2014, when logging into myUCF or the UCF Information Kiosks.

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 NID (Network Identification Number). Each time you use the NID 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 to the desired limited access program. (Department will change student’s status upon acceptance into the program.)

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 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.

RCMH: 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 Bachelor's 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., PH1 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore and 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: Accelerated education opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Altamonte Springs, UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF Valencia East, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

UCF ID: (UCF Identification number): personal seven-digit number required as a unique identifier for each student.

Upper Level Courses: courses with a course number of 3000-4999.

VARC: Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student accommodation services, counseling services, and various other programs and services for student veterans.

Withdrawal, Withdraw from a Course: to formally request an official departure from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office. Students who withdraw from a class are still responsible for tuition and fees for that withdrawn course.
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