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

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

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

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

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

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

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

*UCF Stands For Opportunity*
Mission Statement

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

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

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

Take pride in your university. Our academic programs are setting the standard for 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.

Take pride in yourself. 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.

You have my best wishes for success during this coming year. UCF faculty members and staff members are here to help you to learn, to grow, and to excel. Upon graduation, you will join the more than 188,000 alumni whose lives have been changed by their UCF experience.

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

Cordially yours,

[Signature]

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

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

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

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

---

### University Holidays and Special Events

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- **Independence Day Holiday** ..................................................... July 4, 2012
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NOTE: Dates are subject to change. Consult the Web Enrollment Guide and online Academic Calendar (http://www.registrar.sdes.ucf.edu/calendar) for information.

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

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

Students are also encouraged to check the University Holidays and Special Events section for information on events that may affect their schedule.

### University Holidays and Special Events

**Labor Day Holiday** ................................................................. September 3, 2012
**Main Campus and Research Park classes end at 12:00 p.m. No afternoon or evening classes.** .................................................... October 4, 2012
(Campus closes 12:30 p.m.)
**Regional and Rosen Campus classes end at 2:50 p.m. No evening classes. (Campuses close 3:00 p.m.).** ............................ October 4, 2012
**Main, Regional, Research Park, and Rosen classes resume (7:00 a.m.).** .................................................... October 5, 2012
**Homecoming Week (classes still held)** .................................. October 26 - November 4, 2012
**Homecoming Game - vs. SMU.** .............................................. November 3, 2012
**Veterans Day Holiday (observed)** ....................................... November 12, 2012
**Thanksgiving Holidays** ...................................................... November 22-24, 2012
**Martin Luther King Jr. Holiday** .......................................... January 21, 2013
**Spring Break (campus offices still open).** ............................. March 4-9, 2013
**Founder’s Day Honors Convocation (classes still held)** ............ April 3, 2013
The sale and service of alcoholic beverages to persons younger than 21 years of age is prohibited. Possession or consumption of alcoholic beverages is prohibited by persons younger than 21 years of age. Possession and consumption of alcoholic beverages in open or unsealed containers is prohibited except in designated areas or as approved with special event permits. Individuals are responsible for their actions regardless of their mental or physical state as it may be affected by mind-altering chemicals such as alcohol and other drugs.

Student organizations may develop more stringent regulations 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, 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; type of alcohol; proof of 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. Organizers 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 obtained by the organization from the Alcoholic Beverages and Tobacco Division of the Department of Business Regulations of the State of Florida. Off-campus groups or organizations who seek to serve alcoholic beverages in a location and situation which does not require a license must obtain prior approval to serve alcohol on campus from the Director of Business Services.

For the complete and definitive version of the Drug-Free Workplace/Drug-Free Schools Policy Statement, please go to:

http://www.goldenrule.sdes.ucf.edu/
the Z designation, its application or removal from a transcript can be found in *The Golden Rule Student Handbook*. Additionally, the instructor may request disciplinary action through the Office of Student Rights and Responsibilities, which may result in additional punitive and educational sanctions, as outlined in *The Golden Rule Student Handbook*.

**Student Use of Technology**

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

All UCF students should expect to use a personal computer in many University activities, including coursework, accessing library information, registering for classes, 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 Knight’s EMail accounts and Internet access. Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adapter.


**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](http://www.knightsemail.ucf.edu) and check it regularly to avoid missing important information from the university. Any difficulty with establishing an account or with accessing an established account must be resolved through the UCF Computer Services Service Desk so that a student receives all important messages (serivcesdesk@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/](https://my.ucf.edu/).

**Complaint Policy**

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

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

**Accreditation**

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

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

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

**College/Discipline**

<table>
<thead>
<tr>
<th>Arts and Humanities</th>
<th>Accrediting Body</th>
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<tbody>
<tr>
<td>Music, Music Education</td>
<td>National Association of Schools of Music (NASM)</td>
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</tbody>
</table>

**Business Administration**

| (all disciplines) | The Association to Advance Collegiate Schools of Business (AACSB International) |

**Education**

| (all programs leading to initial teacher certification) | State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE) |

**Engineering and Computer Science**

| Aerospace, Civil, Computer, Construction, Electrical, Environmental, Industrial, Mechanical Engineering | Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700 |

| Computer Science | Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700 |

**Health and Public Affairs**

| Athletic Training | Commission on Accreditation of Athletic Training Education (CAATE) |

| Health Informatics and Information Management | Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM) |

| Health Services Administration | Association of University Programs in Health Administration (AUPHA) |

| Social Work | Council on Social Work Education (CSWE) |

| College of Medicine - Burnett School of Biomedical Sciences | National Accrediting Agency for Clinical Laboratory Sciences (NAASLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119 |

| Medical Laboratory Sciences | Commission on Collegiate Nursing Education (CCNE), Florida Board of Nursing |

| Sciences | American Chemical Society (ACS) Committee on Professional Training |

| Chemistry | 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. |

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**Colleges**

- College of Arts and Humanities
- College of Business
- College of Engineering and Computer Science
- College of Health and Public Affairs
- College of Medicine
- College of Sciences
- College of Social Media and Information Science
- College of Technology and Innovation
- College of Undergraduate Studies

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**University Notices**

- Undergraduate Catalog 2012-2013
UNIVERSITY
OF
UCF Courses
and Descriptions
The University

CENTRAL FLORIDA/CAMPUSES

407-823-2000
http://www.ucf.edu
UCF Stands For Opportunity: The University of Central Florida is
a major metropolitan research university located in one of the most
popular cities in the world. UCF is comprised of 12 colleges supporting more than 58,000 students who attend classes on UCF’s main
campus in Orlando and 10 regional campuses.
A growing and dynamic university, UCF opened the College of
Medicine in 2009, and it is the centerpiece of the burgeoning medical
city at Lake Nona. In 2010, UCF opened the School of Performing
Arts in the new on-campus Performing Arts Center, and in 2011,
UCF became one of 40 public universities earning the Carnegie
Foundation’s highest designation in two categories: community
engagement and research activity.
UCF offers more than 200 degree programs and is an academic and
research leader in numerous fields, such as optics; modeling and
simulation; engineering and computer science; business administration; education; the sciences including biomedical sciences; hospitality
management; and digital media. In 2010-11, UCF awarded $408 million in financial aid to students.
UCF annually ranks in the top 50 universities nationwide for the
number of National Merit Scholars in its freshman class with the vast
majority enrolled in the Burnett Honors College.
The main campus stretches 1,415-acres and provides modern facilities. The Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, dental services, a pharmacy, a medical
laboratory and physical therapy services.
The Student Union has computer labs, study lounges, ballrooms and
meeting rooms, popular eating establishments, and a small shopping mall. Students also enjoy a 149,000-square-foot Recreation and
Wellness Center complete with a three-story climbing wall, an indoor
track, and fitness equipment.
The main campus features 800 acres of natural ecosystems resulting
in habitats for more than 45 unique animal species.
Housing includes on-campus residence halls and affiliated apartments
for almost 8,000 students. And the 10,000-seat UCF Arena and a
45,000-seat on-campus football stadium opened in 2007.
UCF promotes a diverse and inclusive environment. Students come
from all 50 states and over 140 countries. Study abroad programs
allow students to study and conduct research with 98 institutions in
36 countries. Students at UCF have been recognized throughout
the world and include recipients of Rhodes, Mellon, and Goldwater
scholarships.
UCF regularly surpasses $100 million in annual research funding, and
the university has earned more than $1.1 billion in research-related
funding since 2000. Distinctive programs extend learning beyond the
classroom and include leadership programs, study abroad, cooperative education, mentorships, internships, service learning, and paid
research positions.
The Knights will begin competing athletically in the BIG EAST in 2013,
resulting in nationally known teams visiting Central Florida and greater
exposure for UCF across the country.
Kiplinger’s, the Princeton Review, and Forbes have all named a UCF
education as one of the best values in the country

Center for Distributed Learning
Assistant Vice President: Thomas B. Cavanagh
UCF Center for Distributed Learning, 3100 Technology Parkway,
Orlando, 32826; 407-823-4910
http://online.ucf.edu/
The Center’s mission is to provide support to students, faculty and
staff in the development and planning of distributed learning courses
and programs. The Center serves as the central agent for online learning at UCF, providing leadership in distance learning policies, strategies, and practices. The Center also coordinates the university’s standards and accreditation changes resulting from web-based instruction.
The Center for Distributed Learning provides opportunities for students to enroll in credit courses and selected degree and certificate
programs delivered over the Internet through Online@UCF. The
instructional design of these courses maintains a high-quality learning environment for both nontraditional and campus-based students.
Online courses are identified in the Class Schedule Search available
at https://my.ucf.edu/. In the “Additional Search Criteria” section use
the drop-down list next to “Mode of Instruction” to search for the values
described below.

UNIVERSITY OF CENTRAL FLORIDA

Online instruction modes are:
WORLD WIDE WEB (W): These are courses conducted via webbased instruction and collaboration. Some courses may require minimal campus attendance or in-person/proctored examinations.
MIXED-MODE/REDUCED SEAT TIME (M): These courses include
both required classroom attendance and online instruction. All M
classes have substantial activity conducted over the web, which substitutes for some classroom meetings.
VIDEO STREAMING (V): These are courses delivered over the web
via streaming digital video, which may be supplemented by additional
web activity, projects, or exams.
VIDEO STREAMING/REDUCED SEAT TIME (RV): In these courses,
classroom-based content is available over the Web via streaming
video and classroom attendance is not required. Other required activities that substitute for video instruction may include any of the following elements: web activity, in-person or proctored examinations, and
labs. See course notes for details.
Complete listings of all fully and partially web-based classes from
the class schedule are also excerpted and available on the Learning
Online website at http://learn.ucf.edu. Students who plan to enroll
in any course with a web or streaming video component must have
access to the Internet, a Web browser such as Internet Explorer or
Firefox, basic web-browsing knowledge, ability to use email, and basic
computer skills such as word processing.

Regional Campuses
http://www.regionalcampuses.ucf.edu
The University of Central Florida offers an opportunity to complete a
number of programs through UCF Regional Campuses. Strategically
located within an 80-mile radius of the UCF Orlando campus, the
multiple non-residential locations partner with six Florida community/
state colleges, fostering seamless and convenient advancement from
completion of an A.A. or A.S. degree to upper-level division work on a
baccalaureate degree. Programs include 26 Bachelor’s programs, 16
minors, 8 master’s degrees, and 6 graduate certificates with each of
the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional
Campuses, such as admissions, registration, financial aid, advising,
student clubs and organizations, disability services, veteran’s affairs,
“smart classrooms,” libraries, computer labs, and more.
UCF Regional Campuses provide a wide variety of instruction
modes and schedules, including web class availability. Admissions,
Registration, Financial Assistance and Advising professionals are
located at the following campuses: UCF Cocoa and Palm Bay,
UCF Daytona Beach, UCF Sanford/Lake Mary, UCF South Lake
and Leesburg, UCF Valencia West and Osceola, and UCF Ocala.
Times and dates for all courses are listed online prior to registration
each term and all registration periods correspond to the overall UCF
schedule.
The Central Florida Higher Education Consortium, known as
DirectConnect to UCF, is a unique partnership between UCF and
Brevard Community College, Lake Sumter Community College,
Seminole State College and Valencia College. This agreement provides entry for AA and AS graduates to UCF as an enhancement to
the FL state-mandated 2 + 2 agreement. Students entering UCF as
a DirectConnect to UCF student are admitted according to the UCF
policies when AA or AS degrees are awarded.
All locations provide students with an opportunity to enroll in selected
courses (junior and senior level) contributing to undergraduate and
graduate degrees in a variety of disciplines within the university. At
UCF Regional Campuses students may register full-time or part-time
for courses at any of the locations without additional paperwork. For
the most current information on any of the multiple UCF Regional
Campus locations, programs or class schedules, check the website at

Administration
UCF Regional Campuses Administration
12201 Research Parkway, Suite 101
Orlando, 32826; 407-823-4547
Interim Vice Provost, UCF Regional Campuses . . . . . . Joyce Dorner
Senior Administrative Assistant . . . . . . . . . . . . . . . . . . . . Kathi Harris
Associate Vice President, Executive Director,
Academic Initiatives . . . . . . . . . . . . . . . . . . . . . . Stephen Holmes
Associate Director, Academic Initiatives . . . . . . . . Waheeda Illasarie
Associate Director, Academic Initiatives . . . . . . . Mary Lynn Bresette

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Undergraduate Catalog 2012-2013


Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Early Childhood Education
English – Creative Writing
Exceptional Education
Health Services Administration
History
Interpersonal/Organizational Communication
Legal Studies
Mass Communication
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

Graduate Degree Programs
Clinical Psychology (M.A.) College of Sciences
Criminal Justice (M.S.) College of Health and Public Affairs
Social Work (M.S.W.) College of Health and Public Affairs

UCF Leesburg
352-536-2113
(In partnership with Lake Sumter Community College)
Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
  Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, Software Development, and Supervision and Administration
  Elementary Education (B.S.) College of Education
  Health Services Administration (B.S.) College of Health and Public Affairs
  Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
  Nursing (R.N. to B.S.N. and Concurrent) College of Nursing
  Political Science (B.A.) College of Sciences
  Technical Education and Industry Training (B.S.) College of Education

Undergraduate Minors
Anthropology in Multicultural Studies
Criminal Justice
English – Creative Writing
Health Services Administration
History
Legal Studies
Mass Communication
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

UCF Ocala
352-854-2322, ext. 1824
(In partnership with Central Florida State College)
Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
  Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, Software Development, and Supervision and Administration
  Elementary Education (B.S.) College of Education
  Health Services Administration (B.S.) College of Health and Public Affairs
  Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
  Nursing (R.N. to B.S.N. and Concurrent) College of Nursing
  Political Science (B.A.) College of Sciences
  Technical Education and Industry Training (B.S.) College of Education

Undergraduate Minors
Anthropology in Multicultural Studies
Business (for non-business minors)
Criminal Justice
Early Childhood Education
English – Creative Writing
Health Services Administration
History
Interpersonal/Organizational Communication
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies

UCF Sanford/Lake Mary
407-708-2471
(In partnership with Seminole State College)
Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
  Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, Software Development, and Supervision and Administration
  Elementary Education (B.S.) College of Education
  Health Services Administration (B.S.) College of Health and Public Affairs
  Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
  Nursing (R.N. to B.S.N. and Concurrent) College of Nursing
  Political Science (B.A.) College of Sciences
  Technical Education and Industry Training (B.S.) College of Education

Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
English – Creative Writing
Health Services Administration
History
Interpersonal/Organizational Communication
Psychology
Sociology
Technical Education and Industry Training
Women’s Studies
**UCF South Lake**  
352-536-2113  
(In partnership with Lake Sumter Community College)  
**Undergraduate Degree Programs**  
Applied Science (B.A.S.) Office of Undergraduate Studies  
Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration  
Business Administration (B.A.) College of Business Administration  
Early Childhood Education (B.S.) College of Education  
Elementary Education (B.S.) College of Education  
Health Services Administration (B.S.) College of Health and Public Affairs  
Interdisciplinary Studies (B.A.) Office of Undergraduate Studies  
Political Science (B.A.) College of Sciences  
Psychology (B.S.) College of Sciences  
Sports and Exercise Science (B.S.) College of Education  
Technical Education and Industry Training (B.S.) College of Education  
**Undergraduate Minors**  
Anthropology in Multicultural Studies  
Business (For non-business majors only)  
Criminal Justice  
Early Childhood Education  
English – Creative Writing  
Health Services Administration  
History  
Legal Studies  
Mass Communication  
Political Science  
Psychology  
Sociology  
Technical Education and Industry Training  
Women’s Studies  
**UCF South Orlando**  
407-608-1440  
7300 Lake Ellenor Drive, Orlando, FL 32809  
This location provides junior and senior level course work contributing to undergraduate degrees. Please check the schedule for course offerings.  
**UCF Valencia Osceola**  
407-582-4190  
(In partnership with Valencia College)  
**Undergraduate Degree Programs**  
Applied Science (B.A.S.) Office of Undergraduate Studies  
Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration  
Business Administration (B.A.) College of Business Administration  
Elementary Education (B.S.) College of Education  
Health Services Administration (B.S.) College of Health and Public Affairs  
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies  
Nursing (R.N. to B.S.N. and Concurrent) College of Nursing  
Psychology (B.S.) College of Sciences  
Technical Education and Industry Training (B.S.) College of Education  
* Additional academic programs to be announced Fall 2012  
**Undergraduate Minors**  
Anthropology in Multicultural Studies  
Business (for non-business majors only)  
Criminal Justice  
Early Childhood Education  
English – Creative Writing  
Health Services Administration  
History  
Legal Studies  
Mass Communication  
Political Science  
Psychology  
Sociology  
Technical Education and Industry Training  
Women’s Studies  
* Additional academic programs to be announced Fall 2012

**UCF Valencia West**  
407-582-5500  
(In partnership with Valencia College)  
**Undergraduate Degree Programs**  
Applied Science (B.A.S.) Office of Undergraduate Studies  
Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, Software Development and Supervision and Administration  
Architecture (B.D.) College of Arts and Humanities  
Business Administration (B.A.) College of Business Administration  
Criminal Justice (B.A., B.S.) College of Health and Public Affairs  
Electrical Engineering (3rd year) (B.S.E.E.) College of Engineering and Computer Science  
Elementary Education (B.S.) College of Education  
Health Services Administration (B.S.) College of Health and Public Affairs  
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies  
Legal Studies (B.A., B.S.) College of Health and Public Affairs  
Nursing (R.N. to B.S.N. and Concurrent) College of Nursing  
Political Science (B.A.) College of Sciences  
Psychology (B.S.) College of Sciences  
Sociology (B.A.) College of Sciences  
Social Sciences (B.S.) College of Sciences  
Technical Education and Industry Training (B.S.) College of Education  
Women’s Studies  
**Graduate Degree Programs**  
Business Administration (Cohort, Professional M.B.A. track)  
Criminal Justice (M.S.) College of Health and Public Affairs  
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.  
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-orientated industry in the Research Park. This activity will enrich and support the academic, teaching, and research programs of the University. The University, in turn, can provide the necessary expertise and human resources to enhance the research and development activities required and planned by Research Park residents.  
The Central Florida Research Park consists of over 1,000 acres of land. Businesses desiring a “university relationship” can purchase or lease land in the Research Park on which to construct a facility or can lease space for office, office/lab, or light manufacturing activities.
University of Central Florida/Campuses

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

Endowed Chairs

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**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.

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

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

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

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

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

**Judit & David Albertson Eminent Scholar Endowed Chair:** Created in 2004 to attract a nationally or internationally prominent scholar in hotel management. Chair: TBA.

**Manwan A. Simaan.**

**Lester N. Mandell Eminent Scholar Endowed Chair:** Created in 2005 as a key component of the Dr. P. Phillips School of Real Estate. Chair: TBA.

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

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

**FL Hospital Endowed Chair in Nursing Simulation:** Created in 2011 to support a leading expert in simulation to advance simulation in Nursing and other health disciplines. Chair: TBA.

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

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

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

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

**Hugh F. and Jeannette G. McKean Endowed Chair in Nursing:** Created in 2011 to strengthen and support the preparation of nurse educators. Chair: TBA.
The Ombuds Office is an informal, impartial, independent and confidential resource for all members of the University community. It is not an office of notice of wrongdoing and cannot participate in any formal grievance or appeal process. The Office provides assistance and advice regarding concerns related to the University. These services are available to every member of the University community: students, staff, faculty, and others. Any type of concern may be brought to the attention of this office: academic, financial, housing, consumer, work-related, or personal. The University Ombuds Officer is a neutral facilitator and will listen to concerns, help individuals explore options, offer suggestions and advice, and assist in the resolution of the concern. Referral and direction to appropriate individuals and offices, and clarification of University policies and procedures are services of the Office. All proceedings in individual cases will be held confidential by the Ombuds Officer unless otherwise authorized by the complainant, or otherwise required by applicable law, including without limitation, Chapter 119, Florida Statutes. The University Ombuds Office is located in Millican Hall, Suite 243, room 247. Appointments may be made by calling 407-823-6440.

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

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

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

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

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

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

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

The UCF Police Department is a full-service law enforcement agency which prides itself on providing professional services to the university community through prevention, education and enforcement. The University Police officers provide police services twenty-four hours a day, seven days a week to the University community.

The Communications Center (407-823-5555) provides a mechanism for persons to receive assistance in the event of an immediate threat, danger, injury, fire, or criminal occurrence by calling 9-1-1. University Police are part of the county-wide “Enhanced 9-1-1” system and automatically receive calls related to campus. The system ensures that the correct emergency responder - police, medical or fire - is directed to the right place in the shortest amount of time. Since telephone numbers appear on the police computer screen, callers who are either too young or too incapacitated to give their number or location can still receive emergency assistance. Communications Operators are on duty 24 hours a day. Blue light emergency phones are located at various locations on campus to allow persons in need of assistance to contact the Police Department. All Blue Light Emergency phones dial into the Communications Center to ensure a swift response if needed.

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

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

The Community Relations Division (407-823-5555) offers crime prevention seminars regarding the protection of personal property and safety. The Community Relations Division manages the Safe Escort Patrol Service (SEPS) 407-823-2424, providing a safe escort for all individuals on campus.

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

University of Central Florida/Campuses

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

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

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

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

Associate Director for Public Services: Meg K. Scharf
LIB 512; 407-823-2564

Assistant Director for Systems and Technology: Selma K. Jaskowski
LIB 512; 407-823-5444

Associate Director for Collections and Technical Services: Mary Page; LIB 502H; 407 823-2575

University Libraries offers a variety of information resources and services. An extensive resource collection includes 2.4 million volumes, 40,970 serial subscriptions, 3.1 million microforms and 51,000 modular titles. The Libraries' rapidly growing electronic resources include 363 databases, 593,000 e-books, and 27,000 electronic journals. UCF Libraries is a depository for United States and Florida government publications and U.S. patents and trademarks.

The main library is open 105 hours per week. Operating hours are available at the website: http://library.ucf.edu or by calling 407-823-2756. Over 285 computer workstations are available for public use. Sixty-three wireless laptops can be checked out for use anywhere in the library building. Available for week-long checkout are 45 iPads, five Android tablets, cameras, DVD players, scanners and digital video recorders. Wireless technology enables patrons who have laptops with wireless cards to connect to the Libraries' electronic resources and to the Internet from anywhere in the building. Twenty-eight group study rooms and one presentation practice room are available for students. The main library has two classrooms outfitted with 43 computer workstations for hands-on instruction in the use of electronic resources.

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

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

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

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

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

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

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

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

All locations provide electronic access to library and University resources on the web. Courier and intercampus loan services make the main library’s collections available to UCF students at all regional and branch campus sites. For more information see the website at http://library.ucf.edu/BranchCampuses/Locations/default.asp.
For event, retail or rental information, visit Knights Plaza, home of the UCF Arena and The Venue, features an lineup of world famous entertainers, beloved family shows and festivities, UCF athletic events, university graduation ceremonies and a diverse East Orlando. With seating for more than 10,000 fans, it is home to the UCF Arena at Knights Plaza and available for review on the Institutional Research website.

The 6-year graduation rate for the Summer-Fall 2005 cohort is 62.5 percent. The retention rate for Summer-Fall 2010 students is 87.3 percent. The information is public and available for review on the Institutional Research website.

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

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

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 2005 full-time cohort is 62.5 percent. The retention rate for Summer-Fall full-time 2010 students is 87.3 percent. The information is public and available for review on the Institutional Research website.

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

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

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

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

John T. Washington Center Location
The UCF Bookstore, a Barnes & Noble College division bookstore, located on the John T. Washington Center, is the official bookstore for all of your graduation supplies. It offers a complete line of UCF clothing, logo gift items, general reading books, snacks, convenience items and a full service cafe that proudly brews Starbucks coffee. For store hours and information, visit http://www.ucf.bncollege.com or call 407-823-2665.

Knights Plaza Location
The Barnes & Noble @ UCF, located next to the UCF Arena in Knights Plaza, is the official bookstore for all of your graduation supplies. It offers a complete line of UCF clothing, logo gift items, general reading books, snacks, convenience items and a full service cafe that proudly brews Starbucks coffee. For store hours and information, visit http://www.shopucf.com or call 407-852-0364.

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

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

UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 9 stops on campus. They operate continuously from 7:00 a.m. until 7:00 p.m. during the fall and spring semesters, and from 7:00 a.m. to 4:00 p.m. during the summer terms. An inter-campus transportation service is provided between the UCF main campus and the Rosen College of Hospitality Management. It makes nine round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Thursday, during the Fall and Spring semesters, and six round-trip runs between 8:00 a.m. and 7:00 p.m. during the summer semester. Our newest addition is an inter-campus transportation service between UCF main campus and the Health Sciences Campus. It makes six round trips between 7:20 a.m. and 10:45 p.m. Monday through Friday.

These services are free to all UCF students, faculty, and staff members, and operate on all class days, including exam weeks. Please refer to the webpage at http://parking.ucf.edu/Shuttle.html or call 407-623-2131 for detailed information.

In addition, two Lynx bus routes, Links 13, and 30, serve the UCF campuses from Oviedo, Downtown Orlando, Valencia Community College, and East campus. Commuters may connect to most anywhere in the Greater Orlando area. The Lynx buses normally operate at 30 to 60 minute intervals. Route maps may be obtained at the UCF Visitors and Parking Information Center and the Information Kiosk at the Student Union. Further details, including rates and formation 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 Central Florida’s professional classical theater. An AEA union company, the theater presents a signature series of Shakespeare and other plays, a theater for young audiences series, The Harriet Lake Festival of New Plays, and innovative educational programming that includes summer camps, a summer high school performance group, and the K-12 “Shakespeare Alive” and “Shakespeareience” programs. Performances are presented in Margeson, Goldman and Mandell Theaters at the Lowndes Shakespeare Center in Loch Haven Park.

The theater has achieved a position of national recognition, attracting artists from across the country. The theater has been featured in national publications such as The Wall Street Journal, Southern Living, Theater Week, Backstage, American Theater, Stage Directions and Southern Theater. The third year of UCF’s Acting MFA in Theatre is spent in residence at the theater. Internships and independent...
University of Central Florida/Campuses

studies for UCF undergraduates are also available with the theater in many departments. $10 rush tickets are available for UCF students 1/2 hour before performances with student ID. To purchase tickets, contact the box office at 407-447-1700. For internship information and other questions, contact Artistic Director Jim Helsinger at jimh@orlandoshakes.org.

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

The University of Central Florida Alumni Association creates alumni awareness and provides resources for alumni to stay connected to the university and each other through many active chapters and clubs, fun activities and events, and enlightening communication pieces. Alumni receive several benefits, such as discounts for hotels, restaurants, insurance products and theme park tickets as well as UCF logo merchandise discounts at locations on and off campus. A complete list of benefits can be found at 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 free ice cream and pizza socials, Movie Knights, Oozefest, Homecoming, Family Weekend, networking with alumni, discounts on logo merchandise on and off campus, restaurant discounts, free scantrons, leadership and scholarship opportunities and much more.

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

UCF Foundation, Inc.
Associate Director of Donor Relations: Sean Helton
PVL 250; 407-882-1220
Email: donorrelations@ucf.edu
http://ucffoundation.org

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

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

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

The foundation employs over 100 staff members who are dedicated to making the most effective and responsible use of your contributions. The foundation team is responsible for gift acceptance and administration, gift processing and receipting, financial accounting and reporting, donor and alumni record maintenance, and donor and alumni stewardship.
Experiential Learning (Office of), Undergraduate Studies  
Director: Sheri Dressler  
CSHEL 035, 407-823-2867  
Email: OEL@ucf.edu  
http://www.explearning.ucf.edu

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

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

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

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

- Co-op opportunities are available to students on all campuses in all colleges. They are courses that provide a linked series of progressively responsible internships, always major- or career-related, paid, and occurring over multiple terms. They are either part-time around class schedules or full-time alternating terms of work experience and coursework, structured for learning with
Special Academic Programs and Research Institutes

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

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

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

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

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

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

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

Division of Continuing Education
Assistant Vice President/Director: TBA
University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0206, Fax: 407-882-0244
http://www.ce.ucf.edu

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

Off-Campus College Credit Programs
Associate Vice President: Stephen Holmes
University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-923-3654, Fax: 407-823-1399
Off-Campus College Credit and Corporate Education Programs assist in the administration and coordination of approved partnerships and other specially formatted credit courses and degree programs for the academic colleges. Registration may be conducted on site at the various business, educational, or governmental locations served or via the web for student convenience. Course registration for non-admitted students does not constitute regular admission to the University.

Institutes and Centers for Research

Center for Economic Education
Director: Robert L. Pennington
BA2 303E; 407-823-2640
Email: rpennington@bus.ucf.edu

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

Dick Pope, Sr. Institute for Tourism Studies
Director: Abraham Pizam
9907 Universal Blvd., Suite 231-A Orlando, FL 32819; 407-903-8010
Associate Director: Roberto Croes
9907 Universal Blvd., Suite 219-C, Orlando, FL 32819; 407-903-8028
Email: DPI@mail.ucf.edu
http://hospitality.ucf.edu/research/dick-pope-sr-institute-for-tourism-studies/

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

Executive Development Center
Academic Director: Ronald E. Michaels
Senior Associate Directors: Tiffany Hughes, Jaime Patterson
407-235-3901
Email: edc@bus.ucf.edu

The University of Central Florida College of Business Administration is proud to serve as a partner in executive education to the local, state, national, and international business communities. The Executive Development Center was established to provide leading executive education programs to both individuals and organizations. The Center helps professionals from all industries become more dynamic leaders, more effective managers, and more valuable team members. Corporations benefit from participating in executive education programs by developing more productive and resourceful workforces that can meet the challenges of today’s changing marketplace and tomorrow’s opportunities.

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

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

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between Canada and the State of Florida. The Institute, administered by the Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, and 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 community colleges for the same tuition and fees as Florida residents. The awards are limited to 25 FTE and are competitive.

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

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

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

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

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

The Florida Solar Energy Center (FSEC) is the largest and most active state-supported energy research institute in the United States. Located on the Cocoa campus of UCF at Brevard Community College, FSEC has gained national and international respect for its programs on photovoltaics, solar thermal systems, energy-efficient buildings, advanced cooling technologies, hydrogen and fuel cells, 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: Alan Stern
Florida Space Institute, Mail Stop: FSI, Kennedy Space Center, FL 32899; 321-452-9834, Fax: 321-452-4842
Email: astern2010@aol.com
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 both at the Space Center and on the UCF campus, but will move to the UCF research park by summer 2012. Typical research areas include small satellite innovations, planetary science, broadband optical communications, propulsion, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

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

Institute for Simulation and Training (IST)
Director: Randall Shumaker
Partnership II & III, 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-882-1300
Email: shumaker@ist.ucf.edu
http://www.ist.ucf.edu

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

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

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

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

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

The institute annually employs more than 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 programs to continue their advanced education and hone their research skills.

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

Institute of Statistics and Data Mining
Director: David M. Nickerson
Email: David.Nickerson@ucf.edu

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

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

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

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

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

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

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

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

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

Vice President for Strategy, Marketing, Communications, and Admissions: Alfred Harms (Vice Admiral, U.S. Navy [Ret])
Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-2232
http://www.smca.ucf.edu

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

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

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

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

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

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

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

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

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

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

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

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

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

News and Information
Associate Vice President for Communications & Public Affairs: Grant J. Heston
Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5988

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

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

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

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

The mission of the Office of Student Financial Assistance is to provide UCF students and the university community with quality services and comprehensive options for financial assistance through an efficient delivery of student aid. Financial aid counseling is available by appointment and for walk in traffic. Due to confidentiality issues, counseling by phone and email is limited. Student Financial Assistance, a unit of Strategy, Marketing, Communications and Admissions, is dedicated to supporting and retaining UCF’s mission and goals.
Student Outreach Programs
Director: Rhonda C. Hall
Orlando Tech Center, 12479 Research Parkway, Bldg. 600, Suite 215, Orlando 32826; 407-823-5580
http://www.reachout.ucf.edu

The primary mission of Student Outreach Programs is to attract, motivate, and prepare underrepresented students from the local area to complete a college education. These students are provided with essential information, educational materials, and collegiate experiences to enhance their preparation for post-secondary study, primarily through the efforts of two programs.
1. The College Reachout Program (CROP) is supported by the Florida Department of Education and provides campus and school-based programs to students in grades 6-12 to help strengthen their skills and likelihood of college success.
2. The UCF National Achievers Society, formerly the McKnight Center of Excellence, is supported by the Florida Education Fund and offers academic support and direct access to community-based programs for students in grades 6-12.

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

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

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

WUCF TV is the region’s only PBS channel, reaching more than 1.5 million households and 3.5 million viewers. WUCF TV’s mission is to enrich lives through educational and entertaining programs and partnerships that positively inform and influence our community. WUCF TV also provides high-quality video production services to internal and external clients.

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

The Office of Undergraduate Admissions coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-degree, and non-Florida state university, state college, and state community college 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.

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

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

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

UCF Marketing ensures the integrity of the UCF brand, increases the university’s visibility and image, creates cost-saving opportunities, enhances revenues, attracts students, engages alumni, and informs the public through multiple media with strategic services and partnerships that tell the UCF story locally, statewide and nationally.
Undergraduate Admissions
Associate Vice President: Gordon D. Chavis, Jr.
Progress Energy University Welcome Center; 407-823-3000
Email: admission@ucf.edu
http://admissions.ucf.edu

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

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

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

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

Application for Admission
All interested applicants should complete the University of Central Florida "Undergraduate Admissions Application" online at http://admissions.ucf.edu and submit the $30 (in U.S. Currency), non-refundable application fee. Students should apply several months in advance of an anticipated start date and no later than 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
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the Spring semester, and March 1 for the Summer term. The priority deadline for most financial assistance and scholarships is March 1. Information and an application for University housing can be found at http://www.housing.ucf.edu. Applicants can apply for housing once they are offered admission to the University. Requests for housing are subsequently reviewed according to the date of the receipt of the housing application. The University encourages applications from qualified persons of both sexes, all ages, and from all cultural, racial, religious, and ethnic groups. The University does not discriminate on the basis of disability for admission.

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

Tuition:

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., fee, 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.

Oriention

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 special non-degree-seeking programs including ROTC, Study Abroad only, Marching Band only, and Rosen College exchange programs)

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

**Students applying as transient from a Florida public institution should apply through FACTS.org.

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

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

Freshman Applicants

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

High School Diploma

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

Entrance Examination Scores

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

High School Academic Units and Grade Point Average

All applicants must 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 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:

Academic Subjects | Units Required
---|---
English (three of which must have included substantial writing) | 4
Mathematics (at or above the Algebra I level) | 4
Natural Science (two of which must have included substantial laboratory requirements) | 3
Social Science (included: history, civics, political science, economics, sociology, psychology, and geography) | 3
Foreign Language (both credits must be in the same language) | 2

Additional academic electives from the above five subject areas and courses recommended by the Florida Assn. of School Administrators, or other groups, and courses recommended by the Articulation Committee and approved by the Department of Education | 2

Total Units | 18
Undergraduate Admissions

Applicant Eligibility
As stated in Florida Board of Governors Regulation 6.002, an SAT or ACT is required of all SUS FTIC applicants for freshman admission. 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

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

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

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

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

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

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

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

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

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

Transfer Applicants
UCF welcomes transfer applicants 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 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 community college or Florida public state college. Applicants must have a current minimum GPA of 2.0, and must have a cumulative minimum GPA of 2.0 and be in good standing as a degree seeking student at the last institution attended to be considered for admission to UCF. Meeting these minimum requirements does not guarantee admission.

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

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

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

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

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

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

1. Admission to one of the eleven state universities, except to “limited access” programs (programs that have additional admission requirements);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
3. Transfer of equivalent courses under the statewide Course Numbering System;
4. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, PEP, Dual Enrollment, Early Admission, and International Baccalaureate);
5. No additional General Education Core requirements;
6. Advanced knowledge of selection criteria for limited access programs; and
7. Equal opportunity with native university students to enter limited access programs.

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

Meeting these minimum requirements does not guarantee admission.

Second Bachelor's Degree Applicants
Second Bachelor's Degree applicants 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://www.registrar.ucf.edu/forms/readmission/.

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

Transient Student Applicants
A student in good standing with a minimum 2.0 GPA at the last regionally-accredited institution attended who wishes to enroll for one term at UCF may be considered for admission as a transient student. Such enrollment terminates at the end of one term and does not presuppose regular admission to the University. A transient student must submit an official transcript from the last institution attended. Transient student applications must be received by the appropriate application deadline. If a student’s last school of attendance is a Florida public institution, they may apply through FACTS.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 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 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 students 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 (check or money order in U.S. currency). An online application is available on our website at http://www.admissions.ucf.edu.
- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation and a GPA computation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on this evaluation.
- If the student has attended any international universities, an English translation and evaluation of work completed at each institution will be necessary. Transcripts should be sent to one of the agencies below for a course-by-course evaluation. Please note that if 60 or more credit hours have been earned at a post-secondary institution, it will not be necessary to submit the secondary school records.
- Results of the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) may be required of students whose first language is not English. Information can be obtained from TOEFL at http://www.toefl.org or IELTS, http://www.ielts.org.
- Results of the SAT or ACT will be required if the student has earned less than 60 credit hours of college credit. Information regarding these examinations may be obtained from the College Board (SAT) at http://www.collegeboard.org or from ACT at http://www.act.org. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

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

Educational Translations and Evaluations
Foreign diplomas must meet the requirements specified in Florida Statutes, section 229.818. UCF will accept evaluations of academic credit from these agencies:
Josef Silny and Associates World Education Services

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

The University reserves the right to refuse registration to any international student on an F-1 or J-1 visa who fails to comply with this requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids in any way the responsibility to comply with the insurance requirement. For questions, call UCF Health Services at 407-823-1281 or go to their website noted above.
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 of Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University, shall be denied admission or readmission, or may receive any other academic and/or disciplinary action prescribed by the University, including but not limited to academic dismissal.

Transfer Credit: All Applicants

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

Accredited Institutions

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

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

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

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

General Education Transfer Credits

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

Credits from Private and Out-of-State Institutions

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

Credits from Military Service School Courses

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

Baccalaureate Honors

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

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

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

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

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

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

If the priority date is missed, students should apply as soon as
possible after that date to be considered for the financial aid that
is still available, such as the Federal Pell Grant, Federal Stafford
Loan, and Federal PLUS Loan;
Students should not wait to be admitted to UCF before applying
for financial aid;

Federal Pell Grants and Federal Stafford Loans are available on a
year-round basis. Students may apply for financial aid in advance
of any term and receive aid from these programs, if eligible;
Students should have a complete financial aid file at least 60 days
prior to the beginning of the semester. Students who apply late for
aid should be prepared to cover their own living expenses, out-of-
pocket, well into the term;
A broad range of scholarships is available with diverse criteria.
Please review the Scholarship Listing on the website for specific
deadline dates for individual scholarships.

Application Procedures
The FAFSA can be filed electronically at http://www.fafsa.ed.gov.
A link is provided on the website.

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

Specific Eligibility Requirements and Conditions for
Receiving Financial Aid
Students must be accepted and classified as degree-seeking at
UCF in an eligible program. Only courses toward degree require-
ments count for financial aid purposes;
Students must maintain UCF’s Standards for Satisfactory
Academic Progress;
Students are required to inform the Office of Student Financial
Assistance of any additional sources of aid they expect to receive
beyond those listed on the award notification or award informa-
tion provided on the Student Center on myUCF. Any subsequent
awards or income may necessitate a revision of the financial aid
award(s). This includes, but is not limited to, any private scholar-
ships or third party tuition payment/ waivers;
Students may not receive aid in excess of their Cost of Attendance;
Students must not be in default on any federal educational loan or
owe repayment on a federal grant at this or any other institution;
Students must provide all information requested for the completion of their file. If selected, Verification must be completed within specified deadlines and prior to the receipt of all federal and state aid and/or other resources by the payment deadline. The deferment process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferments are also subject to change. In order to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. To have access to accept loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Drop/Swap in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they are never attended.

Financial Aid Programs Available at UCF

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

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

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

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

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

Award Notification

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

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

Admission to UCF must be finalized with no contingencies. Students must be classified as degree-seeking.

Verification, if required, must be completed. Students must meet the Standards for Satisfactory Academic Progress. If all eligibility is met, financial aid funds may be disbursed.

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

Deferrals of Tuition and Fees

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

Estimated Cost of Attendance for 2012-2013

Florida Residents Non-Florida Residents

Tuition and Fees $5,806 $5,806 $21,732 $21,732
Books 1,146 1,146 1,146 1,146
Room & Board 9,300 4,806 9,300 4,806
Transportation 1,800 1,800 1,800 1,800
Personal Expenses 2,276 2,276 2,276 2,276
Total Costs $20,328 $15,834 $36,254 $31,760

Note (MPN) for a Federal Stafford Loan at UCF; 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 state aid and/or other resources by the payment deadline. The deferment process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferments are also subject to change. In order to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. To have access to accept loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Drop/Swap in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they are never attended.

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Estimated Cost of Attendance for 2012-2013

Undergraduate Students

<table>
<thead>
<tr>
<th>Living Arrangement</th>
<th>Florida Residents On/Off Campus Parent/Relative</th>
<th>Non-Florida Residents On/Off Campus Parent/Relative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition and Fees</td>
<td>$5,806</td>
<td>$5,806</td>
</tr>
<tr>
<td>Books</td>
<td>1,146</td>
<td>1,146</td>
</tr>
<tr>
<td>Room &amp; Board</td>
<td>9,300</td>
<td>4,806</td>
</tr>
<tr>
<td>Transportation</td>
<td>1,800</td>
<td>1,800</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>2,276</td>
<td>2,276</td>
</tr>
<tr>
<td>Total Costs</td>
<td>$20,328</td>
<td>$15,834</td>
</tr>
</tbody>
</table>
Student Financial Assistance

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

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

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

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

<table>
<thead>
<tr>
<th>Classification</th>
<th>Maximum UCF Hours Allowed For Completing Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate (All undergraduates, including Second Degree)</td>
<td>180 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>Doctoral</td>
<td>120 Attempted Hours (including all graduate level hours)</td>
</tr>
</tbody>
</table>

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

If the student was canceled for the failure to complete 70% of the attempted hours and since cancellation, has brought up the percentage to a minimum of 70%, the student will be reinstated 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 proper level during the end of semester review process.

To appeal, the student must:
- Complete the Satisfactory Academic Progress Appeal Form; (available on the Office of Student Financial Assistance website at: http://finaid.ucf.edu, under Forms).
- Attach documentation that supports specific circumstance(s) to the appeal form;
- Meet with Academic Advisor to complete an Academic Plan;
- 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.

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, by adding the UCF School Code to the online FAFSA, or calling the Federal Student Aid Information Center at 1-800-4 FED AID. The To Do List on myUCF will indicate any required forms.

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

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Transient Enrollment
Students who have been approved to take classes at another institution while attending UCF might have those hours counted toward meeting financial aid requirements for some programs at UCF. Transient enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. All of the following documents must be submitted to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:
1. Transient Form for Financial Aid;
2. Approved Advisor Authorization Form obtained from http://www.FACTS.org or Transient Student Approval Form with all required signatures;
3. A copy of the fee invoice and class schedule from other institution confirming that the classes and hours enrolled match the Transient Form for Financial Aid; and,
4. A completed Consortium Agreement Form signed by the financial aid office of the transient school.
Transient enrolled students must make arrangements to pay tuition and fees at the visited school since there is no system for deferral of those tuition and fees. In addition, it is the student’s responsibility to ensure that the visited school promptly provides the UCF Registrar’s Office with academic transcripts at the conclusion of the term, confirming that the attempted hours are completed. This will help avoid academic progress problems. Students who expect to receive funds under any of the federal loan programs must enroll for a minimum of six undergraduate hours at UCF in UCF classes to meet eligibility requirements.
Students may not receive financial aid from two institutions at the same time. Students must decide which of the two institutions is the primary school at which they are degree seeking and apply for aid there. Any inaccuracy will result in a mandatory repayment to one of the two schools for the overpayment.

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

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

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

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

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

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

Schedule of Fees
Note: 2012-2013 tuition and fees had not been established at the time of this publication. Rates for the 2012-2013 academic year will be available in July 2012 at http://www.iroffice.ucf.edu/character/current_tuition.html. Fees are subject to change without notice.

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

Tuition Fee Invoice: A printed Tuition Fee Invoice confirms fees and course registration. Tuition Fee Invoices are available 24/7 on the web at http://www.my.ucf.edu, kiosks, and from the student’s college advising offices. Students should review their current Tuition Fee Invoice prior to making payment at one of the payment locations. Tuition Fee Invoices are not mailed. The Tuition Fee Invoice should be reviewed once after initial registration of courses and also after making any changes to the initial registration to ensure that the fees are adjusted accordingly.

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

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

Student Financial Responsibility Statement
Registration at UCF requires students to acknowledge the following financial responsibility statement:

“I understand that I will be responsible for tuition and fees for all courses that remain on my record after the drop deadline and that the courses will be graded.

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

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

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 online through the E-pay system via the myUCF portal. Currently students can pay using a check or a credit card in this system. Payments cannot be transmitted by telephone.

Acceptable forms of payment:
Checks
Credit Cards (Acceptable credit card types are subject to change).
Please review the Student Accounts Services website at http://www.studentaccounts.ucf.edu/ for current payment information.

E-Pay - https://my.ucf.edu – E-Check or Credit Card
- A nonrefundable convenience fee or processing fee will apply per credit card transaction.
- Payments made at any time on day of the published fee payment deadline through 11:59 P.M. Eastern Standard Time will be considered on time.

E-Pay process:
- Sign in the myUCF portal as usual then click on the link for Student Self Service; this will open your Student Center page. Use the right scroll bar to scroll to the Finance section. You will find a section for Student Accounts.
- Click on the link for the Tuition Fee Invoice. Select the current term (i.e. Sum 2012, Fall 2012, or Spring 2013). The Fee Invoice will provide you your schedule, the charges, the Amount Due and deferrals.
- Annotate the Amount Due as you will need that amount once you are on the E-Pay system.
- Scroll down to the bottom of the page and click on the Due Charges/E-Pay link to make a payment.

Mail payments: (Please do not send cash)
- Include student's name and PID# on checks or money orders (make check payable to University of Central Florida)
- Address payments to: University of Central Florida
  Student 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)

Payment Locations (Call respective campus for office hours and options):
Main Campus - provides various payment stations on the campus for on-line payments – (407) 823-2433; 24-Hour night depository – Millican Hall at Reflection Pond Entrance (No Cash)

Regional Campuses: The University of Central Florida now requires all tuition and fees to be paid electronically. While there are no longer direct cashing services available on the Regional Campuses, students can pay all tuition and fees electronically, either by credit card or check, in the student services area at each major Regional Campus location. Additionally, payments may be mailed to: UCF Student Account Service, Attn: Payment Processing, P.O. Box 160115, Orlando, FL 32816-0115.

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

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

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

Tuition and Fees for Senior Citizens
Persons 60 years of age or older who meet Florida residency requirements may register to audit classes on a space-available basis without payment of tuition and application fees. Registration is on a space-available basis; see the appropriate term’s Academic Calendar http://www.registrar.sdes.ucf.edu/calender/academic/ for registration dates and times. The tuition fee waiver cannot be used for courses that require increased costs (such as thesis, dissertation, and directed individual study). A “Florida Residency” Affidavit is required to establish Florida residency. A completed “Student Health History” form must be filed prior to registration. Inquiries should be directed to the Registrar’s Office (MH 161; Telephone: 407-823-3100).
Refund of Fees
A refund of fees will be processed under the conditions noted below. The student must submit a written appeal for a refund or other appeal action to the University within six months of the close of the semester/term to which the refund or other appeal action is applicable. Any debts to the University will be deducted from the refund, up to the full amount.

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

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

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

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

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

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

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

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

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

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

Residency Reclassification

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

To request a residency review, the student must submit a completed “Residency Reclassification Application and Affidavit” and supporting documentation 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 State Board of Education Administrative Code 6A-10.044, and State Board of Education rule 6C-7.005. In addition, University policy requires students requesting residency reclassification to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar's Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

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

Students seeking residency reclassification should understand that living in or attending college in Florida does not automatically establish residency in Florida for tuition purposes. The student who comes to Florida to enroll in a Florida post-secondary educational institution as an out-of-state resident and continuously enrolls in a Florida institution normally will not meet the Florida residency requirement for in-state tuition regardless of the length of time enrolled. Living or attending school in Florida merely 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.
Introduction

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

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

Goals of the division are to:

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

The division is comprised of the following areas:

Academic Services for Student-Athletes (ASSA)

Director: Kimya Massey
WD 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, 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 Conference USA and UCF rules, regulations and procedures. Lastly, ASSA assists student-athletes with their career planning goals.

ASSA services include:

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

Activity and Service Fee Business Office

Director: Paul Constantino
SU 215; 407-823-5548
Email: asf@ucf.edu
http://www.asf.ucf.edu

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

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

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

Campus Faiths & Ministries
Director: Brad Crawford
FC-G 152-154; 407-823-5336
http://cfm.sdes.ucf.edu

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

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

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

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

Counseling Center
Executive Director: Stacey Pearson-Wharton
COUN; 407-823-2811
Email: counctr@ucf.edu
http://www.counseling.sdes.ucf.edu

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

The Counseling Center offers:
- Short-Term Individual Counseling
- Group Counseling and Workshops
- Crisis Intervention and Walk-Ins
- Crisis aftershours hotline: 407-823-2811 Press #5
- Couples Counseling
- Outreach Presentations and Workshops
- Consultation to Faculty and Staff
- Referral Services (Care Management)

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

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

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

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

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

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs, and email and phone communication. The office focuses its efforts on providing proactive academic advising support, establishing early and regular communication, and providing outreach advising activities for first-year students residing in both on-and 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 in the EXCEL, Freshman LEARN living learning community, STEP, Pegasus Success, SOAR, CAP and Out of State Student Mentoring (OSSM) living learning community programs. In addition, high school students admitted to UCF as part of the Early Admission or Dual Enrollment programs are advised through First Year Advising and Exploration.

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

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

First Year Experience (FYE)
Director: Keira Kant
PH 216; 407-823-5105
Email: fye@ucf.edu
http://www.fye.sdes.ucf.edu/

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

Fraternity and Sorority Life
Assistant Vice President, Student Development and Enrollment Services, and Director: Belinda Boston
SU 154 (Greek Council Office); 407-823-2072
http://fsi.sdes.ucf.edu

The Fraternity and Sorority Life office is committed to providing the best possible fraternity and sorority experience for students and the university community. This office fosters and promotes the development of national fraternities and sororities by providing services, and programs to ensure all members engage in high-quality undergraduate fraternal experiences that reinforce the organization’s founding principles: scholarship, community service, campus involvement, and sisterhood/brotherhood. It encompasses small group living and learning, and developmentally programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council (PAN), Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

Sororities or fraternities can offer students a “home away from home,” a support system, networking opportunities, an organization for community service, hands-on experience in running a working entity, and a foundation for long-lasting friendships. You can follow what’s happening within the Greek community via our Facebook page or on Twitter. Currently we have 47 fraternities and sororities on UCF’s campus and more than 3,500 active Greek students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background.

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

Health Services (HS)
Director: Michael Deiachen, M.D.
HC 309; 407-823-2094
http://www.hs.ucf.edu

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

The UCF Health Center is staffed by Board-certified physicians, advanced registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, certified medical assistants, and a full complement of other medical support personnel who provide laboratory and radiology services. The state-of-the-art 50,000 square-foot Health Services building is centrally located on the UCF Orlando campus.

The UCF HS Insurance office staff will assist students with filing claims with student insurance companies. Currently, UCF HS provides coverage through contract in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, Aetna, and AvMed health insurance plans. This entitles faculty, staff, and students to use UCF HS providers for their primary care needs and realize cost savings through covered services. The Health Services may bill any insurance company as a courtesy to our patients as they may be eligible for out-of-network benefits.
The Office of Multicultural Academic and Support Services provides comprehensive academic support, cultural enrichment, consultation, and referral services that promote the retention, and graduation of multicultural and First Generation College Students. MASS offers personalized advising and support; monitors academic progress; sponsors a six-week summer program, Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother mentoring program; and designs and coordinates cultural and social activities to assist students in realizing their academic, career and personal goals. MASS serves as the focal point of operations in addressing the specific needs, issues and concerns that confront multicultural and First Generation College Students at UCF.

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

Assistant Vice President, Student Development and Enrollment Services: TB
HAB 101; 407-823-6505
http://www.housing.ucf.edu/offcampus/

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

Office of Student Involvement (OSI)

Director: Michael Preston
SU 206; 407-823-6471
Email: OSIassist@ucf.edu
http://www.GetInvolvedUCF.com

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

To fulfill our mission, the Office of Student Involvement staff members oversee the registration and management of over 425 registered student organizations (RSC’s), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Homecoming, Knightcast, Knights of the Round Table (KoRT), Late Knights, Student Government Association (SGA), and Volunteer UCF (VUCF). OSI wishes to support all members of our UCF community and encourage any person in need to an accommodation or assistance to participate in our programs or services to email us at osiassist@ucf.edu. OSI is funded by the Student Government Association.

Office of Student Rights and Responsibilities (OSRR)

Director: Dana Juntunen
FC 227; 407-823-6960
http://osrr.sdes.ucf.edu

By offering a wide range of services designed to assist as well as educate students in resolving their disputes, the Office of Student Rights and Responsibilities (OSRR) includes the Office of Integrity and Ethical Development and the Office of Student Conduct. OSRR provides a forum that contributes to the individual growth and development of the student’s knowledge of community responsibilities, due process, conflict resolution skills, and university student conduct rules. OSRR also publishes the, the Golden Rule Student Handbook, which contains more detailed information on student life. Copies of the Golden Rule can be obtained at OSRR, or can be viewed on the internet at http://www.goldenrule.sdes.ucf.edu. This office also advises the Golden Rule Review Committee which is a standing committee of students charged with making recommendations for updating the Golden Rule Student Handbook.
The UCF Regional Campuses Student Services offices provide student services at each regional campus, including transfer orientation, career services, experiential learning, veteran services, transition assistance, and accommodations for students with disabilities. In addition, the offices provide programming and assistance to student organizations as well as provide various standardized test information.

**Registrar’s Office**

University Registrar: Brian C. Boyd  
MH 161; 407-823-3100, Registration HelpLine: 407-823-3533  
Email: registrar@ucf.edu  
http://registrar.sdes.ucf.edu

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

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**Regional Campuses Student Services**

Assistant Vice President: A.J. Range  
University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32826; 407-823-4547  
Email: A.J.Range@ucf.edu

Student Services, UCF Daytona Campus  
Director: Diana Weidman  
386-506-4024  
Email: diana.weidman@ucf.edu

Student Services: UCF Cocoa and UCF Palm Bay Campuses  
Director: Randall Brumfield  
321-433-7950  
Email: randall.brumfield@ucf.edu

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

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

Student Services: UCF Sanford/Lake Mary Campus  
Coordinator: Ashley Squillante  
407-708-2805  
Email: ashley.squillante@ucf.edu

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**Registrar’s Office**

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Division of Student Development And Enrollment Services

Rosen College of Hospitality Management Student Life
Assistant Director: Tiffany Greenis
9907 Universal Blvd., Suite 204-F, Orlando, FL 32819; 407-903-8150

Student’s campus life needs are met at the Rosen College of Hospitality Management campus through the Student Life office in conjunction with partnership with Student Outreach Services. Staffing and services provided through this office include: registered student organization support, student activities programming guidance and support, and the Golden Rule interpretation.

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

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

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

Student Academic Resource Center (SARC)
Director: Rebecca Piety
PH 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, peer tutoring, learning consultations, and academic success workshops.

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

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

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

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

Student Disability Services (SDS)
Director: Pamela Rea
FC 185; 407-823-2371
http://www.sds.sdes.ucf.edu

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

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

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

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

Student Government Association (SGA)
Advisors: Michael Preston and Kerry Welch
SU 214; 407-823-2191
http://www.ufsga.com

The Student Government Association’s purpose is to represent student views on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, the Student Government Association also provides numerous services that affect student life. These services include: free printing in the SGA Computer and Express Printing labs, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center and Sport Club Council, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Knights of the RoundTable, Knightcast, and much more. Money allocated by the Student Government Association for these services comes from Activity and Service Fees that students pay during registration. Additionally, student organizations may request funds for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students’ rights at the local, state, and national levels.

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

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

Student Leadership Development (SLD)
Director: Stacey Malaret
SU 207; 407-823-2223
http://sld.sdes.ucf.edu

The mission for Student Leadership Development (SLD) is to establish an environment that will provide comprehensive leadership education, development, and civic engagement opportunities for the UCF community. Through collaboration and partnerships, SLD will incorporate the UCF CREED and the Social Change Model of Leadership to provide professional, academic and experiential opportunities that challenge, empower, and educate students to become social change agents in a global society.
The primary vision for the area is the development of an intentional and comprehensive program that targets specific groups, as well as provides campus-wide opportunities for students regardless of their class standing and level of involvement experience. Leadership programs will vary in duration from a one-day workshop to an extended program that may last several weeks to two years. The focus is to provide a variety of programmatic options that recognize students have different needs, time constraints, and levels of interest.

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

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

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

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

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

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

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

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

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

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

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

The University Testing Center administers the Accuplacer; Critical Thinking Test, Distance Learning/Correspondence Exams; Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); Math Placement Test; Post Secondary Education Readiness Test (PERT); R/N Predictor, and Test of Essential Academic Skills (TEAS).

UTC administers the following national standardized examinations:

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

Upward Bound Program
Director: Rebekah McCloud
PH 208; 407-823-5595
Email: rebekah.mccloud@ucf.edu
http://www.upwardbound.sdes.ucf.edu

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

Veterans Academic Resource Center (VARC)
Director: Paul Viau
Veterans Academic Resource Center, ARNA; 407-823-2707
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, the Counseling Center, Student Academic Resource Center, Student Disabilities Services, and Transfer and Transition Services, and provides the home for Veteran Services. VARC has been designated as a Center for Excellence for Veteran Student Success and is partially funded by a grant from the U.S. Department of Education Fund for the Improvement of Postsecondary Education (FIPSE).

Located at UCF Knights Plaza/Arena, across from Barnes & Noble, VARC is open 9 a.m. to 5 p.m. Mondays, Thursdays, and Fridays; 8:30 a.m. to 5 p.m. Tuesdays and Wednesdays, and provides study, tutor and lounge areas for student veterans and programs and events designed specifically for student veteran needs.
Veteran Services
Assistant University Registrar: James Middlekauff
Veterans Academic Resource Center, ARNA; 407-823-2707
Email: varc@mail.ucf.edu
http://www.va.ucf.edu

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

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

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

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

For Fall and Spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9 to 11 credit hours for three-quarter time benefits, and 6 to 8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on VA Chapter. Check Veteran 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 appropriateTransient Form and consult with Veteran 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 Veteran 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 Veteran Services for more specific benefit information on Cooperative Education.

Wellness and Health Promotion Services
Director: Tom Hall
COUN; 407-823-0879/407-823-5841
http://aod.sdes.ucf.edu

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

**Director:** Charlene A. Stinard  
**PH 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 Brevard Community College, Lake Sumter Community College, Seminole State College, and Valencia College. Florida public community college or state college and university A.A. graduates are guaranteed certain rights and privileges according to the statewide Articulation Agreement.

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

**Where Can I Go For Help?**

For information or assistance during the transfer process, you may contact Transfer and Transition Services, located in Howard Phillips Hall, room 221. Call the Student HOTLINE at 407-823-5959 for immediate access to staff during regular business hours. Visit the website at [http://transfer.sdes.ucf.edu](http://transfer.sdes.ucf.edu).

Transfer and Transition Services provides the following services and resources:

- Accurate and current information about university programs and policies including entrance and exit requirements, as well as information concerning:
  - General academic advising for transfer students before and after they enroll at UCF
  - Pre-admission academic advising for students applying to UCF; DirectConnect advising available at Valencia College East Campus
  - Advising for students who are undeclared, undecided, or changing majors
  - Peer Mentors provide advising and transition assistance by telephone, email, and office appointments
  - Student information and advising HOTLINE 407-823-5959

- Website for transfer students ([http://transfer.sdes.ucf.edu](http://transfer.sdes.ucf.edu))
- Transfer Knights social club; Tau Sigma Transfer Honor Society
- Orientation advising and assistance
- Written articulation agreements between UCF and other universities and colleges

**How Can a Community College Counselor or Advisor Help Me?**

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

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

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

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

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

What Are the Foreign Language Requirements?

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

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

How Will My Credits Transfer?

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

Transfer Checklist

<table>
<thead>
<tr>
<th>Before Completing the A.A. or Articulated A.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ met with a DirectConnect advisor</td>
</tr>
<tr>
<td>Y___ N___ met with counselor or advisor for graduation check</td>
</tr>
<tr>
<td>Y___ N___ completed application for graduation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Application for Admission</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>/</strong>/__ date submitted</td>
</tr>
<tr>
<td>Y___ N___ checked admission status at <a href="https://my.ucf.edu">https://my.ucf.edu</a></td>
</tr>
<tr>
<td><strong>/</strong>/__ date of acceptance</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transcripts (original transcript from all institutions attended)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ transcripts sent from all current and prior institutions</td>
</tr>
<tr>
<td>Y___ N___ date final transcript sent after term completed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Financial Aid/Scholarship</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>/</strong>/__ date financial aid application (FAFSA) sent</td>
</tr>
<tr>
<td><strong>/</strong>/__ date SCHOLARSHIP application sent</td>
</tr>
<tr>
<td>Y___ N___ “to do” list checked on myUCF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ reviewed OCSS handbook: Survival Guide for Living off Campus</td>
</tr>
<tr>
<td><strong>/</strong>/__ date application sent (include deposit when required)</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Immunization</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>/</strong>/__ date Student Health Form submitted</td>
</tr>
<tr>
<td>Y___ N___ need immunizations</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foreign Language Requirements (Admission)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ 2 years/units earned in high school</td>
</tr>
<tr>
<td>Y___ N___ 8-10 credits earned at the college level</td>
</tr>
<tr>
<td>Y___ N___ credits to be taken at the university</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Orientation:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>/</strong>/__ Orientation date at UCF</td>
</tr>
</tbody>
</table>

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 public community college 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.
the Undergraduate Admissions Office within ten days of the start of your first term at UCF. If Admissions does not receive them, a hold is placed on your record, making it difficult for you to receive financial aid or to register for a future term.

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

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

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

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

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

Responsibilities

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

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

Freshman (First Time in College - FTIC)

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

New FTIC Students can expect to:

1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, dual enrollment and CLEP credit;
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.
2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL, LEARN Living Learning Community, STEP, the College Achievement Program (CAP), Pegasus Success Program, SOAR program and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (PH 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 (PH 215)

These offices provide students with general education advising, academic exploration for undeclared students, academic support, registration assistance, and on-going information about University policies and procedures throughout the first year 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 issues. CAHSA is located in Colbourn Hall (CNH) room 201 and advisors can be reached by phone at 407-823-3312 or via email at cahsa@mail.ucf.edu. Students can also access CAHSA’s website at: http://www.cahsa.ucf.edu

New students will:

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

Continuing students will:

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

Graduating students will:

1. File the online intent to graduate form by the posted deadline for the semester in which they intend to graduate. Please note that the deadline for filing is always the semester prior to the semester in which you intend to graduate.
2. Meet with a CAHSA advisor 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.
College of Business Administration
The College of Business Administration (CBA) seeks to provide its students with the highest quality academic advising. The intent of the advising system is to assist prospective and current business majors in the development of an educational plan.

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

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

College of Education
New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
2. Be advised by the College of Education Academic Advising Center (ED 115) if their major is Elementary Education or Education Pending. Academic advising sessions may be scheduled by calling 407-823-5369 or 407-823-3723;
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The advisor’s name and telephone number appear on the Degree Audit and in myUCF to assist students in making an advising appointment; and
4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education based on program requirements.

Continuing students will:
1. Set up an appointment with their academic advisor upon acceptance to their major, or the Academic Advising Center, if a “Pending” major, to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. View a Degree Audit through myUCF;
3. Register at scheduled appointment time in myUCF; and,
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 (ENGR 107) if Engineering Pending majors. Students are encouraged to seek advisement on determining a major as soon as possible. Failure to declare a major by the end of the first year may result in a delay of graduation.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- **General Biological Sciences**
  - Genetics: BSC 2010C, 2011C*
  - General Chemistry: CHM 2045C, 2046, 2046L
  - Organic Chemistry: CHM 2210, 2211, 2211L
  - Biochemistry: BCH 4053

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

- **Microbiology**
  - MCB 3020C

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

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

- **Statistics**
  - STA 2023

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

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

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

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

**College of Nursing**
New students will:

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

Continuing students will:

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

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

New students will:

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

Continuing students will:

1. Contact the department of their major and meet with a faculty or professional advisor during the first two months of any semester to review progress and plan a program of study;
2. Meet with their academic advisor in the department of their major prior to registration, and before the beginning of the term to ensure their schedule is still appropriate.
3. Access the class schedule and Degree Audit online at https://my.ucf.edu;
4. Register for classes through https://my.ucf.edu. Special assisted registration (e.g., overrides, independent study, thesis) for COS courses must be handled in COSAS.
5. Refer to COSAS any questions pertaining to the Degree Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the Degree Audit should be directed to the department; and,
6. Check their “Fee Invoices” to ensure accuracy of their class schedule.

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

**Graduating students will:**
1. During the term prior to your term of graduation, do all of the following:
   1. Review COS graduation instructions available at http://undergrad.cos.ucf.edu/current/graduation.php (click on graduation tab);
   2. Schedule and attend a graduation review appointment with a COSAS advisor; and,
   3. Complete the on-line graduation application on myUCF within the dates specified at http://www.registrar.sdes.ucf.edu/calendar/.

**Office of Undergraduate Studies**  
**Office of Interdisciplinary Studies**

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

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

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

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

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

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

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

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

Orlando Campus students may receive supplemental advising on the Regional Campus, in partnership with the College of the major on the Orlando Campus; this will aid the student in taking courses that are offered at the Regional Campus if they are a part of the students’ degree program.
ACADEMIC REGULATIONS AND PROCEDURES

Registration Policies
During each academic term, registration is held for all new, currently enrolled, degree-seeking and non-degree seeking students for the following term. Registration sessions consist of Registration and Late Registration (held during the first week of classes for each term/session). Spring Registration begins following midterm for the Fall semester. Summer and Fall Registrations begin following the midterm of the Spring semester. Class listings are available only online through the Class Schedule and Course Catalog Search at https://my.ucf.edu.

Registration is available over the web using the myUCF system at https://my.ucf.edu and in the college advising offices. The dates and times for each registration period are included in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic/.

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

Terms and Credit Hours
The University of Central Florida academic schedule consists of two semesters (Fall and Spring), and the Summer term. The graduation credit value of each course of instruction is stated in terms of credit hours. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:
(a) One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time; or
(b) At least an equivalent amount of work as required in paragraph (a) of this definition for academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Undergraduate Enrollment Status Credit Hours
<table>
<thead>
<tr>
<th></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 community college, state college, or state university for the first time in Fall, 2009, and thereafter, may be subject to the excess hours surcharge for hours exceeding baccalaureate degree program completion requirements. Students should regularly review their degree audits and consult with an academic advisor to make sure they are not enrolling in excess courses. More detailed explanation of the excess hours rule can be found on the University Registrar’s Office website at http://registrar.sdes.ucf.edu.

Students beginning Fall Semester 2011 or 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) in the college advising offices. After the Drop-Swap period, no course may be dropped without being fee liable. Courses meeting for the first time after the end of the Drop/Swap or Add period may be dropped the next business day in the Registrar’s Office, MH 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or will be fee liable and receive a grade. For withdrawal after the Drop/Swap period, refer to the “Withdrawal Policy” of the Undergraduate Catalog. Please consult the Academic Calendar for Drop, Add, and Withdrawal deadlines.

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

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

State of Florida Employee & UCF Employee Registration
State of Florida employee and UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available only basis on the last day of Registration each term at the time specified on the “Academic Calendar” online at https://my.ucf.edu/calendar/academic/. The employee must submit the “Residency Affidavit” and “Senior Citizen Audit Application” forms to the Registrar’s Office. Any State of Florida employee and UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available only basis on the last day of Registration each term at the time specified on the “Academic Calendar” online at https://my.ucf.edu/calendar/academic/. The employee must submit the “Residency Affidavit” and “Senior Citizen Audit Application” forms to the Registrar’s Office. State of Florida Employee & UCF Employee Registration

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

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

Students registering for classes in the Limited Non-Degree Seeking status are subject to the following regulations:
1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification;
2. Students who have been previously denied admission or disqualified for enrollment are not eligible;
3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students;
4. Registration is permitted on a space-available basis;
5. A maximum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student;
Enrollment and Degree Verifications

Students may obtain their enrollment verification online through myUCF at https://my.ucf.edu. Enrollment certification is free to currently enrolled students. Parents, employers, background checking firms, and other third party agencies may request enrollment and degree verifications online at http://www.degreeready.org. A fee will be assessed for all such requests. UCF has contracted with National Student Clearinghouse to provide current enrollment and degree verifications online 24 hours a day, seven days a week. National Student Clearinghouse Custom Support is available at 1-800-780-7980, Monday - Thursday, 9:00 a.m. - 7:00 p.m., & Friday, 9:00 a.m. - 5:00 p.m., ET.

Withdrawal Policy

Withdrawal for each term begins after the drop deadline. Students requesting a fee liable for any classes from which they withdraw. Students may withdraw from a class and receive the notation of a "W" until the deadline noted in the “Academic Calendar” online at https://www.registrar.ucf.edu/calendar/academic. A student may withdraw from courses using myUCF at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161), or by contacting 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 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 must sign the request and 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 consequences. A student withdraws as non-degree-seeking when he or she is ready to return. If a withdrawal is approved, a grade of "W" will be recorded for each course. Student seeking to withdraw must sign the request and any departmental residency requirements.

State University System (SUS)

Florida Transient Students

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

UCF Students Attending Another Florida Public Institution

UCF students who desire to attend another Florida Public Institution as a Transient Student are encouraged to complete the “Transient Student Form” online, which is available on the FACTS website at http://www.facts.org under “College Students” > “Transferring”. Students wanting to attend a Florida private institution or an institution outside the State of Florida may obtain a printed form from the UCF Registrar’s Office. The official 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 transfer back into a UCF degree program must obtain prior transient approval for specific courses from the Dean or Department Chair of his/her respective college or school. Transient approval of courses to be applied to the UCF General Education Program must be obtained in advance from Academic Services (MH 210). Credit earned without prior 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. A student seeking permission must complete the “Transient Approval Form,” available from the college or school advising office or at http://www.facts.org and must submit the completed, approved and signed form to the Registrar’s Office (MH 161). Transient credit cannot be used to reduce the last 30 semester residency requirement for a baccalaureate degree, the last 20 semester residency requirement for an Associate of Arts degree, or any departmental residency requirements.

6. International students may not register as non-degree-seeking since immigration regulations prevent foreign nationals from enrolling without admission to a degree or certificate program;
7. Limited Non-degree students are not eligible to receive financial aid and 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 registration as noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar. STEP students must present a “Certification” letter to the Student Accounts Office (MH 107) to receive waiver of eligible fees. Registration before the time specified in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar will result in the student being assessed regular fees. The tuition fee waiver cannot be used for courses that require increased costs, including but not limited to courses offered through the Center for Continuing Education, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, co-ops, practicums, or applied, individualized instruction in music, art, or dance. Eligible members of the active Florida National Guard may obtain a waiver of 50% of tuition and material and supply fees.

Academic Regulations and Procedures
errors created by the University. Students must submit a petition and all supporting documentation for a Late Drop of all courses to Academic Services (MH 210) within six months of the end of the term for which the Late Drop is sought.

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

Withdrawal and Academic Behavior Violations

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

Grade System

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

<table>
<thead>
<tr>
<th>Grade Points Per</th>
<th>Grading System</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+ 0.00</td>
<td>A</td>
</tr>
<tr>
<td>A 0.75</td>
<td>A-</td>
</tr>
<tr>
<td>A- 0.25</td>
<td>B+</td>
</tr>
<tr>
<td>B 1.00</td>
<td>B</td>
</tr>
<tr>
<td>B- 1.25</td>
<td>C+</td>
</tr>
<tr>
<td>C 1.50</td>
<td>C</td>
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<tr>
<td>C- 1.75</td>
<td>D+</td>
</tr>
<tr>
<td>D 2.00</td>
<td>D</td>
</tr>
<tr>
<td>D- 2.25</td>
<td>F</td>
</tr>
<tr>
<td>F</td>
<td>NC, No Credit</td>
</tr>
</tbody>
</table>

NC - No Credit

*Available only in CHM 1032, CHM 2045C, CHS 1440, ENC 1101, ENC 1102, MAC 1105H, MAC 1105, MAC 1114, MAC 1140, MAC 2147, MAC 2233, MAC 2241, MAC 2253, MAC 2281, MAC 2281H, MAC 2311, MAC 2311H, and STA 2014C. In these classes NC replaces the use of D+, D and D-.

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

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

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

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

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

   13 credit hours = 46 total grade points

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

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

Incomplete Grade

A grade of "I" (Incomplete) may be assigned by the instructor when a student is unable to complete a course due to extenuating circumstances, and when all requirements can be completed in a short time following the end of the term. When an instructor assigns an "I" grade for a course, the student is notified through email about the grade. The student is responsible for arranging 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 effective only during the term immediately following the one in which the grade was assigned, except that grades assigned during the Spring semester may be changed during either the following Summer term or Fall semester. A change in grade must be approved by the dean of the college or school. A grade will not be changed after a degree has been conferred. The Registrar will change a student's academic status if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmission is warranted.

Grade Reports

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

Attendance, Absences, or Unsatisfactory Work

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

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a Program Verification form. Program Directors shall provide each student with a copy of this form. It is the student's responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Center 1, 103A; 407-823-5896.

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

Classroom Responsibility

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

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

Student Conduct

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

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

Religious Observations

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/her religious faith must notify the Office of Student Conduct (FC 142) to the Student Conduct Office of Student Conduct.

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;
Grade Forgiveness

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

1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student’s official transcript. The original course grade will be marked with a “T” to indicate that the course 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 Public Community College or State University. Grade forgiveness awarded within a bachelor’s degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida Public Community College or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;
9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e., academic probation or disqualification). In addition, no academic records can be altered after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 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).

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

Academic Standing

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

Good Standing

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

Academic Probation

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

First-time-in-college students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Transfer students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Academic Probation is intended to inform students making unsatisfactory progress of their need to alter study habits and seek additional counseling. Early recognition will indicate to the student the possible jeopardies 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 receives A.A. degree with a minimum “C” average (2.0 GPA) on all college work attempted from a Florida public community college has the right to appeal for readmission, in accordance with standard University policies. However, readmission is not guaranteed, and the student seeking readmission will be required to follow all academic regulations and procedures associated with readmission after suspension.
Readmission

A student must apply for readmission to the Registrar’s Office (MH 161) if:

1. the student has not enrolled at UCF for two consecutive semesters (not including the Summer term);
2. the student has been academically suspended from UCF;
3. the student failed to enroll or withdrew from all classes during the readmitted term; or,
4. the student has previously attended, or is currently enrolled at UCF, as “degree-seeking” and desires to pursue a second bachelor’s degree.

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

Readmission Following Non-Enrollment for Two Consecutive Semesters

The student must complete and submit the “Readmission Application Form,” available at the Registrar’s Office or online at http://www.registrar.ucf.edu. If the student has attended another regionally accredited institution since leaving UCF, the student must request an official transcript be sent to the Registrar’s Office. If the student was previously admitted to a UCF limited-access program, the student will be placed in pending status for that major and must apply to the College for readmission to the program. Plus or minus grades will transfer for course work earned Fall 2001 and after using UCF’s grade point system.

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

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

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

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

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

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

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

Readmission Prior to Completion of the Required Suspension

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

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

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

Dropping or Withdrawing During Readmitted Term

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

Limitations on the Number of Readmission Appeals

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

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

Non-Academic Admission Clearances

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

Appeal

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

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

Right of Appeal
A student who is ineligible for readmission or has been denied read-
mission has thirty (30) days from the date of the denial to appeal for
an exception to University policy to the Admission and Standards Committee. The appealing student must satisfy the following require-
ments before the Registrar’s Office will forward the appeal to the
Committee:
1. Complete the “Application for Readmission as an Exception to
University Policy Form,” available at the Registrar’s Office (MH
161);
2. Prepare a written statement specifying the extenuating circum-
stances that led to their poor academic performance or academic
dismissal.
   a. The written statement should be limited in length to one type
page; it must be signed and dated, and include the student’s
UCF Personal Identification number (PID);
   b. An “Application for Readmission as an Exception to
University Policy” form not accompanied by the required
written statement will not be forwarded to the Admissions
and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during
the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per
copy). The Registrar’s Office will forward this transcript to the
Admissions and Standards Committee;
6. Submit ten stapled packets of appellant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the sched-
uled Admissions and Standards Committee meeting. The packet
must contain the following documents, arranged in the following order:
   a. A completed “Application for Readmission as an Exception to
University Policy Form”; 
   b. Written statement indicating the extenuating reasons for the
previous academic difficulties and a plan for ensuring suc-
cess in future terms;
   c. Any supporting documentation as directed by the college,
school or other University personnel;
   d. Any additional supporting documentation (optional); and,
   e. Degree Audit (obtained from myUCF at https://my.ucf.edu).

Academic Amnesty Program
Effective Fall 2004, the Academic Amnesty Program provides under-
graduate students who are not eligible for readmission for academic
reasons the opportunity to readmit to UCF after five or more years of
separation. This program allows the student to nullify up to two con-
secutive terms worth of UCF coursework from his or her UCF grade
point average. Students who do 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 calcula-
ting the student’s UCF GPA, all course work will remain part of the
student’s permanent record.

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

Academic Regulations and Procedures

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

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

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

Address and Email Changes
The student’s address is initially obtained from the “Application
for Admission or Readmission.” It is the students’ responsibility to
make appropriate changes to the address online at myUCF as they
occur. Address and email changes also can be made by writing to the
Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114 or fax
to 407-823-5652. Written requests must be signed and the student
identification number provided.
Transcript Requests
Requests for official transcripts are made online via myUCF (https://my.ucf.edu), through the Registrar’s Office in person, or by mail. “Transcript Request Forms” are also available on the Registrar’s Office website at http://www.registrar.ucf.edu/forms/transcript_request/. A student’s academic record can be released only upon written authorization signed by the student. Telephone and email requests are not accepted. Transcripts cannot be released if the student is on Hold due to a financial obligation to the University. Transcript requests must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all requested data are posted.

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

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

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

Extenuating Circumstances
Those circumstances determined by the University to be exceptional and beyond the control of the student. These may include, but not be limited to, the following:
1) Medical condition or serious illness preventing completion;
2) Death of an immediate family member;
3) Involuntary call to active duty; or,
4) Other emergency circumstances or extraordinary conditions.
Special Limitation: students who withdraw or fail a class due to extenuating circumstances may be granted an exemption only once for each class.

Financial Hardship:
Should include, but not be limited to, the following:
1) Qualification for federal need-based financial aid; or,
2) Other documented financial hardship may be considered.
For details, contact the Student Accounts Office (MH 107) at 407-823-2433.

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

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

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

Undergraduate Certificates
An undergraduate Certificate is a supplement to the bachelor’s degree program/major. Certificates are optional. Students must be admitted in a degree seeking program to be eligible to receive an undergraduate 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 that the student believes are inaccurate or misleading. The student may ask the University to amend a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing;

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

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

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington DC, 20202-4605

Directory Information

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

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

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

Other Disclosures:

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

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

Higher Education Act

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

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

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

Advanced Placement Program (AP) (see table below)

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

Advanced Placement Language (all modern languages)

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

Advanced Placement Literature (all modern languages)

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

Advanced Placement Latin

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

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

International Baccalaureate Program

(see table on next page)

Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit for scores of four or higher in the subsidiary and higher level program areas. The table below labeled “International Baccalaureate” provides information related to the International Baccalaureate program credit.

ADVANCED PLACEMENT (AP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>GEP Usage</th>
<th>Score of 4</th>
<th>Score of 5</th>
<th>GEP Usage</th>
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<td>ARH 1000</td>
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<td>ARH 2050 and 2051</td>
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<td>CUL &amp; HIS Found 2</td>
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<tr>
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<td>BSC 1000/1005L</td>
<td>MAT Found 2</td>
<td>BSC 2010C</td>
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<td>Calculus AB</td>
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<td>SCI Found 1</td>
<td>CHM 2045C</td>
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<td>Chinese Language &amp; Culture</td>
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<td>SCI Found 1</td>
<td>CHI 2200 and 2201</td>
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<td>ENC 1101 and 1102</td>
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<td>COM Found 1 and 2</td>
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<td>ENC 1101 and LIT 1005#</td>
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<td>SCI Found 2</td>
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<tr>
<td>Japanese Language &amp; Culture</td>
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<td>MUT 1001 if composite score is 3 or higher</td>
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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 2053C and 2054C</td>
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<tr>
<td>Physics C: Electricity/Magnetism</td>
<td>PHY 2045C</td>
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<td>PHY 2045C</td>
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<tr>
<td>Physics C: Mechanics</td>
<td>PHY 2053C</td>
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<td>PHY 2045C</td>
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<tr>
<td>Russian Language &amp; Culture</td>
<td>RUS 2230</td>
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<tr>
<td>Spanish Language</td>
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<tr>
<td>Spanish Literature</td>
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<td>Studio Art: Drawing Portfolio</td>
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<td>ART 2201C</td>
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<tr>
<td>Studio Art: 3-D Design Portfolio</td>
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<td>SCI Found 2</td>
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<tr>
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<td>SCI Found 2</td>
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<td>Same as 3</td>
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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.
Academic Regulations and Procedures

International Baccalaureate (all modern languages)

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

Language B (most common)

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

### INTERNATIONAL BACCALAUREATE

<table>
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<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<td>BSC 1005/1005L and BSC 2010C</td>
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<tr>
<td>Business Management</td>
<td>GEB 2011</td>
<td>GEB 2011 and 2005</td>
<td>CHM 1020/1020L and CHM 2045C</td>
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<td>Chemistry</td>
<td>CHM 1020 and 1020L</td>
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<td>CHM 1020/1020L and CHM 2045C</td>
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<td>Computer Science</td>
<td>CGS 1078</td>
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<td>CGS 1078 and 1906</td>
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<tr>
<td>Design Technology</td>
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<td>ETI 1410 and 1906</td>
<td>ECO 2013 and 2023</td>
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<tr>
<td>Economics</td>
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<td>ECO 1000 and 1002</td>
<td>EVR 1017 and 1906</td>
<td>SOC Found 1</td>
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<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
<td>EVR 1017 and 1906</td>
<td>COM Found 1 and 2</td>
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<tr>
<td>English A1</td>
<td>ENC 1101</td>
<td>ENC 1101 and 1102</td>
<td>ENC 1101 and 1102</td>
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<tr>
<td>Environmental Systems</td>
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<td>ISC 1050 and 1906</td>
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<td>Film Studies</td>
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<td>FIL 1001 and 1002</td>
<td>FIL 1001 and 1002</td>
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<tr>
<td>French</td>
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<td>FRE 1121 and 2200</td>
<td>FRE 1121 and 2200</td>
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<td>MHH 1202 and 1209</td>
<td>MHH 1202 and 1209</td>
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<td>GEO 1200 and 1400</td>
<td>GEO 1200 and 1400</td>
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<tr>
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<td>GER 1121</td>
<td>GER 1121 and 2200</td>
<td>GER 1121 and 2200</td>
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<td>WOH 1030 and WOH 1999</td>
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<td>ASH 1906</td>
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<td>MAT 1033 and MGF 1106</td>
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<td>Mathematics</td>
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<td>MAC 1147 and 2233</td>
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<td>MUL 2010 and HUM 1906</td>
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<td>PHY 2023C and 2054C</td>
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<td>PSY &amp; HIS Found 2</td>
<td>PSY 2012 and 1906</td>
<td>SCI Found 2</td>
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<td>SPN 1121 and 2200</td>
<td>SPN 1121 and 2200</td>
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<td>Visual Arts</td>
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<td>ART 1012 and 1906</td>
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*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

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<th>Exam</th>
<th>Score of 50 for passing</th>
<th>GEP Usage</th>
<th>Comments</th>
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<tbody>
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<td>Accounting, Financial</td>
<td>ACG 1001</td>
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<tr>
<td>Accounting, Principles of</td>
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<tr>
<td>Algebra, College</td>
<td>MAC 1105</td>
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<td>Algebra-Trigonometry, College</td>
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<td>American Government</td>
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<tr>
<td>American Literature</td>
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<tr>
<td>Biology, General</td>
<td>BSC 1005</td>
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<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
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<td>Calculus</td>
<td>MAC 2233</td>
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<td>Chemistry, General</td>
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<tr>
<td>College Composition</td>
<td>ENC 1101 and ENC 1102</td>
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<td>Educational Psychology, Introduction to</td>
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<td>Precalculus</td>
<td>MAC 1140</td>
<td>HIS Found 1</td>
<td></td>
</tr>
<tr>
<td>Psychology, Introductory</td>
<td>PSY 2012</td>
<td>HIS Found 2</td>
<td></td>
</tr>
<tr>
<td>Sociology, Introductory</td>
<td>SYG 2000</td>
<td>HIS Found 2</td>
<td></td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SPN 1120C</td>
<td>SPN 1120C and 1121C</td>
<td>Score of 63 or higher earns</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
<td>HIS Found 1</td>
<td></td>
</tr>
<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EUH 2000</td>
<td>HIS Found 1 or 3</td>
<td></td>
</tr>
<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>EUH 2001</td>
<td>HIS Found 1 or 3</td>
<td></td>
</tr>
</tbody>
</table>
mum of two semesters (min. 6 credits) of Elementary Language II and Intermediate Language I or their equivalents (usually 1121C/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

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

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

**Language A1 (literature courses for native speakers; languages other than English)**

No direct equivalent. Content of Language A1 varies widely. Minimum 3 credits in language or literature for score of 4, 6 credits for score of 5-7.

**IB Latin**

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

### College Level Examination Program (CLEP)

(see table on previous page)

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

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

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

### CAMBRIDGE AICE EXAMS

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting (AS-Level)</td>
<td>ACG 1001</td>
<td></td>
</tr>
<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
<td></td>
</tr>
<tr>
<td>Art and Design (AS-Level)</td>
<td>ART 1906</td>
<td></td>
</tr>
<tr>
<td>Art and Design (A-Level)</td>
<td>ART 1906 and ART 1907</td>
<td></td>
</tr>
<tr>
<td>Biology (AS-Level)</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Biology (A-Level)</td>
<td>BSC 2010C and BSC 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Business Studies (AS-Level)</td>
<td>GEB 2011</td>
<td></td>
</tr>
<tr>
<td>Business Studies (A-Level)</td>
<td>GEB 2011 and GEB 2905</td>
<td></td>
</tr>
<tr>
<td>Chemistry (AS-Level)</td>
<td>CHM 1020/1020L</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Classical Studies (AS-Level)</td>
<td>CLA 1010</td>
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</tr>
<tr>
<td>Chemistry (A-Level)</td>
<td>CHM 1020C and CHM 2045C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computing (AS-Level)</td>
<td>CGS 1073</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Computing (A-Level)</td>
<td>CGS 1073 and CGS 1074</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Design &amp; Technology (AS-Level)</td>
<td>ETI 1482C</td>
<td></td>
</tr>
<tr>
<td>Design &amp; Technology (A-Level)</td>
<td>ETI 1482C and ETI 1906</td>
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<tr>
<td>Economics (AS-Level)</td>
<td>ECO 1000</td>
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<tr>
<td>Economics (A-Level)</td>
<td>ECO 2013 and ECO 2023</td>
<td>SOC Found 1</td>
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<tr>
<td>English - English Language (AS-Level)</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
</tr>
<tr>
<td>English - Language &amp; Literature in English (AS-Level)</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
</tr>
<tr>
<td>English - Literature in English (A-Level)*</td>
<td>ENC 1101 or ENC 1102</td>
<td>COM Found 1 or COM Found 2</td>
</tr>
<tr>
<td>English - Literature in English (A-Level)#</td>
<td>ENC 1101 and ENC 1102</td>
<td>COM Found 1 and 2 or COM Found 1 and 2 and CUL and HIST Found 2</td>
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<tr>
<td>Environmental Management (AS-Level)</td>
<td>EVR 1001C</td>
<td>SCI Found 2</td>
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<tr>
<td>French Language (AS-Level)</td>
<td>FRE 1121</td>
<td>MAT Found 1</td>
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<tr>
<td>French (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
<td>MAT Found 1</td>
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<tr>
<td>French Literature (AS-Level)</td>
<td>FRW 3100</td>
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<tr>
<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
<td>MAT Found 1</td>
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<tr>
<td>General Paper</td>
<td>IDS 1110</td>
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<tr>
<td>Geography (AS-Level)</td>
<td>GEA 1000</td>
<td>SOC Found 1</td>
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<tr>
<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
<td>SCI Found 2</td>
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<tr>
<td>German Language (AS-Level)</td>
<td>GER 1121</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>German (A-Level)</td>
<td>GER 1121 and GER 2200</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>History (AS-Level)</td>
<td>HIS 1906 (5 credits)</td>
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<tr>
<td>History (A-Level)</td>
<td>HIS 1906 (6 credits)</td>
<td>Subject to review by History Dept</td>
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<tr>
<td>Latin (AS-Level)</td>
<td>LAT 1121C</td>
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<tr>
<td>Marine Science (AS-Level)</td>
<td>OCE 1001</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Marine Science (A-Level)</td>
<td>OCE 1001 and OCB 1000</td>
<td>MAT Found 1</td>
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<tr>
<td>Mathematics (AS-Level)</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 1906</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Music (AS-Level)</td>
<td>MUH 1001</td>
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</tr>
<tr>
<td>Music (A-Level)</td>
<td>MUH 1001 and 2011</td>
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<tr>
<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics (A-Level)</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Psychology (AS-Level)</td>
<td>PSY 2012</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Psychology (A-Level)</td>
<td>PSY 2012 and PSY 1906</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
<td></td>
</tr>
<tr>
<td>Spanish (A-Level)</td>
<td>SPN 2230 and SPN 2231</td>
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<tr>
<td>Spanish Literature (AS-Level)</td>
<td>SPN 3100</td>
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<tr>
<td>Thinking Skills (AS-Level)</td>
<td>PHI 1103</td>
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<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and 1906</td>
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<tr>
<td>Travel and Tourism (AS-Level)</td>
<td>HFT 1000</td>
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</tr>
<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and 1906</td>
<td></td>
</tr>
</tbody>
</table>

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

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

Regularly enrolled (excludes transient and non-degree) undergraduates 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.

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.

DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam.title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
<th>Passing Score 2008 Revised Exams</th>
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<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
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<td>48</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
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<td>48</td>
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<tr>
<td>Business Law II</td>
<td>BUL 2242</td>
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<td>44</td>
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<tr>
<td>Business Math</td>
<td>QMB 1001</td>
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<td>48</td>
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<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
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<td>49</td>
<td>400</td>
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<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
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<tr>
<td>Ethics in America</td>
<td>PHI1630</td>
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<td>400</td>
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<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
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<tr>
<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
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<td>47</td>
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<tr>
<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
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<td>45</td>
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<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOC Found 2</td>
<td>47</td>
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<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
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<td>48</td>
<td>400</td>
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<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
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<td>44</td>
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<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td>46</td>
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</tr>
<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
<td></td>
<td>48</td>
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<tr>
<td>Intro to Computing</td>
<td>CGS 1060</td>
<td>MAT Found 2</td>
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<tr>
<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
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<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CUL and HIST Found 2</td>
<td>48</td>
<td>400</td>
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<tr>
<td>Introduction to Business</td>
<td>GEB 2111</td>
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<td>46</td>
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<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
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<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
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<td>46</td>
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<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
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<td>400</td>
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<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
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<tr>
<td>Organizational Behavior</td>
<td>INP 1002</td>
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<tr>
<td>Personal Finance</td>
<td>FIN 1100</td>
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<td>400</td>
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<td>Physical Geology</td>
<td>GLY 1000</td>
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<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
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<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
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<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
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<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>COM Found 3</td>
<td>47</td>
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<tr>
<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>MAT Found 2</td>
<td>48</td>
<td>400</td>
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<tr>
<td>Principles of Supervision</td>
<td>MNA 1345</td>
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<td>46</td>
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<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
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<tr>
<td>Substance Abuse</td>
<td>HSC 2140</td>
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<td>400</td>
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<tr>
<td>Technical Writing</td>
<td>ENC 2210</td>
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<td>46</td>
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<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
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EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
</tr>
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<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td>COM Found 1</td>
<td>45</td>
</tr>
<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>45</td>
</tr>
<tr>
<td>Ethics: Theory and Practice</td>
<td>PHIL 1630</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Foundations of Gerontology</td>
<td>GY 1000</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
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<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
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<td>45</td>
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<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
<td></td>
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<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td></td>
<td>45</td>
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</tbody>
</table>
Requirements for Graduation
Students must fulfill both the requirements for a major and University requirements to receive a bachelor’s degree from the University of Central Florida. The student must:

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

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

Choice of Catalog (Catalog Year) and Continuous Enrollment
A student must graduate under the provisions of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida public community colleges, or state colleges, or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

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

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

General Education Program (GEP)
The purposes of the UCF General Education Program (GEP) are to introduce students to a broad range of human knowledge and intellectual pursuits, to equip them with the analytic and expressive skills required to engage in those pursuits, to develop their ability to think critically, and to prepare them for 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 public community colleges and universities in lieu of completion of the University’s General Education Program. Students enrolled in courses that use the “NC” grade must earn a grade of “C-” (1.75) or better.

General Education Program Learning Objectives

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

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

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

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

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

### General Education Program (GEP) Courses (36 credit hours required)
(Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.)

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

#### A. Communication Foundation

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

#### B. Cultural and Historical Foundation

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 2001</td>
<td>Western Civilization I</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EUR 2002</td>
<td>Western Civilization II</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-present</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilization I</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

#### C. Mathematical Foundation

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MAC 1108</td>
<td>Finite Mathematics</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

#### D. Social Foundation

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Microeconomics</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

#### E. Science Foundation

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002</td>
<td>Astronomy PR: High School Algebra or MAC 1105C</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>PSC 1121*</td>
<td>Physical Science PR: High School Algebra or MAC1105C</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I: MAC 1105C and MAC 1124C</td>
<td>4</td>
<td>4(3,3)</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry PR: High School Algebra</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>BSC 1005*</td>
<td>Biological Principles</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>BSC 1050*</td>
<td>Biology and Environment</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>GY 3030</td>
<td>Geology and its Applications</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>GEO 1200*</td>
<td>Physical Geography</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>MCB 1310</td>
<td>Intro to Biotechnology and Genetic Engineering</td>
<td>3</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

### Alternate Courses: General Education Program

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

#### GEP Requirement

<table>
<thead>
<tr>
<th>Acceptable Substitutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105C (College Algebra)</td>
</tr>
<tr>
<td>MGF 1106 (Finite Mathematics)</td>
</tr>
<tr>
<td>PHY 2053C (Physics)</td>
</tr>
<tr>
<td>CHM 1020 (Chemistry)</td>
</tr>
<tr>
<td>BSC 1050 (Biology)</td>
</tr>
<tr>
<td>GEO 1200 (Geography)</td>
</tr>
<tr>
<td>CS 2000C (Computer)</td>
</tr>
<tr>
<td>STA 2014C (Statistics)</td>
</tr>
<tr>
<td>THE 2000 (Theatre)</td>
</tr>
<tr>
<td>FIL 1000 (Film)</td>
</tr>
<tr>
<td>MUL 2010 (Music)</td>
</tr>
</tbody>
</table>

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

### Diversity Requirement

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

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

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

### General Education Courses:

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

### Other Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3422</td>
<td>Frontier Florida</td>
<td></td>
</tr>
<tr>
<td>AMH 3425</td>
<td>Sunbelt Florida</td>
<td></td>
</tr>
<tr>
<td>AMH 3562</td>
<td>Women in American History II</td>
<td></td>
</tr>
<tr>
<td>AML 3283</td>
<td>Contemporary American Women’s Fiction</td>
<td></td>
</tr>
</tbody>
</table>
3. The Testing Administrator of the University Testing Center will
2. This is a University-wide requirement for all B.A. majors.
1. This requirement is for proficiency and not a requirement for a
requirements. See "Special College and/or Departmental
Several departments, colleges, and schools have additional
 Placement in Language Courses
 Placement in foreign language courses is based on one year of
high school language being equivalent to one semester of college
work. For example, four years of one high school foreign language
place the student in the first semester of the third year.
 Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.

Several departments, colleges, and schools have additional requirements. See "Special College and/or Departmental Requirements" within each listing.
1. This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.
2. This is a University-wide requirement for all B.A. majors.
3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (PH 106).

4. The foreign language proficiency requirement does not apply to students seeking a second baccalaureate degree.
5. A student who is required and furnishes a passing TOEFL (Test of English as a Foreign Language) score for admission to the University is considered to have satisfied the requirements.

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

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

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

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

Gordon Rule Requirement: GEP Courses Which Satisfy:
1. Six hours of mathematics at the level of college algebra or higher
(1) College algebra or finite mathematics
(2) Statistics or computer science
Any 3000-level or above course in mathematics, statistics, or computer science also may be used toward fulfillment of the mathematics portion of the "Gordon Rule" Requirement.
2. Six hours of English coursework (1) Six hours of English Composition
(2) Specifically identified courses and those from the following list:

General Education courses that apply to the Gordon Rule Writing Requirement:
ENC 1101 Composition I
ENC 1102 Composition II
LIT 2110 World Literature I
LIT 2120 World Literature II
AMH 2010 U.S. History: 1492-1877
AMH 2020 U.S. History: 1877-Present
EUH 2000 Western Civilization I
EUH 2001 Western Civilization II
HUM 2210 Humanistic Tradition I
HUM 2230 Humanistic Tradition II
WOH 2012 World Civilization I
WOH 2022 World Civilization II
Non-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 3551 Women in American History I
AMH 3571 Black American History I
AMH 3800 Canadian History
AMH 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4160 Jacksonian America
AMH 4201 The Gilded Age and Progressivism
AMH 4270 United States History: 1909-1960
AML 3031 American Literature I
AML 3041 American Literature II
AML 3283 Contemporary American Women's Fiction
AML 3285 Early American Women's Words
AML 3614 Topics in African-American Literature
AML 3615 Harlem, Haiti, and Havana
AML 3643 Contemporary American Prose and Poetry
### Undergraduate Degree Requirements

Undergraduate Degree Requirements include:

- **LIT 3192**: Honors Caribbean Literature
- **LIT 3313**: Science Fiction
- **LIT 3313H**: Honors Science Fiction Literature
- **LIT 3381**: Women Writers of Color
- **LIT 3383**: Women in Literature
- **LIT 3383H**: Honors Women in Literature
- **LIT 3394**: Literature of AIDS
- **LIT 3394H**: Honors Literature of AIDS
- **LIT 3482**: Literature & Popular Culture
- **LIT 3823**: Hispanic Women Writers
- **LIT 4303**: Post-War World II Fiction
- **LIT 4374**: Literature of the Bible
- **LIT 4374H**: Honors Literature of the Bible
- **LIT 4433**: Literature of Science and Technology
- **LIT 4554**: Advanced Feminist Theories
- **PAD 3733**: Professional Administrative Writing in the Public Sector
- **PAD 4034**: The Administration of Public Policy
- **PHH 3100**: Ancient History
- **PHH 3200**: Medieval Philosophy
- **PHH 3460**: Modern Western Philosophy
- **PHH 3700**: American Philosophy
- **PHH 3983**: Research Methods in Philosophy
- **PHI 3323**: Minds and Machines: Philosophy of Cognitive Science
- **PHI 3451**: Philosophy of Psychology
- **PHI 3670**: Ethical Theory
- **PHI 3800**: Aesthetics
- **PHI 3805**: Contemporary Aesthetics
- **PHI 4221**: Philosophy of Language
- **PHI 4321**: Philosophies of Embodiment: Mind/Body/Self
- **PHI 4500**: Metaphysics
- **PHI 4804**: Critical Theory
- **PLA 3155**: Legal Writing
- **PLA 4935**: Capstone: Legal Issues
- **REL 3131**: Religion in America
- **REL 3932**: Roots of Western Mysticism
- **RVT 4403**: Electronic Media, Technology, and Society
- **THE 2081C**: Introduction to UCF Theatre
- **THE 2094**: Scriptwriting
- **TP 3100C**: Directing for Theatre
- **TP 4940L**: Theatre Internship
- **WOH 2012H**: World Civilization I - Honors

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

Successful completion of the degree requirements stated in the Undergraduate Catalog under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at the University. A student must complete all requirements for a baccalaureate or graduate degree no later than the date of the Commencement. A student may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the Associate of Arts degree is to be awarded.
Correspondence Courses
The University of Florida’s Division of Continuing Education, Department of Independent Study by Correspondence administers all correspondence instruction for the State University System of Florida (SUS). College credit, high school credit, and continuing professional education courses are available through regular mail and Fax (several by email). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra classes. It is possible to enroll any time during the year.

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

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

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

Two Degrees
- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.
- A student may earn two degrees, either both BA or both BS, and 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 30 (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 and the College Level Academic Skills requirement.

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

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

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

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

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

Bachelor of Music (B.M.)

Bachelor of Music Education (B.M.E.)
Bachelor of Science (B.S.)
Majors: Photography

College of Business Administration
Bachelor of Science in Business Administration (B.S.B.A.)
Majors: Accounting, Business Economics, Finance, General Business, Management, Marketing, Real Estate

Bachelor of Arts (B.A.)
Major: Economics

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

College of Education
Bachelor of Science (B.S.)

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

College of Health and Public Affairs
Bachelor of Arts (B.A.)
Majors: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration

Bachelor of Science (B.S.)
Majors: Athletic Training, Communication Sciences and Disorders, Criminal Justice, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Public Administration

Bachelor of Social Work (B.S.W.)
Major: Social Work

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

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

College of Sciences
Bachelor of Arts (B.A.)
Majors: Advertising-Public Relations, Anthropology, International and Global Studies, Interpersonal/Organizational Communication, Journalism, Political Science, Radio - Television, Sociology

Bachelor of Science (B.S.)
Majors: Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Social Sciences, Statistics

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

Office of Undergraduate Studies
Bachelor of Applied Science (B.A.S.)
(Regional campuses only)

Bachelor of Arts (B.A.)
Major: Interdisciplinary Studies

Bachelor of Science (B.S.)
Major: Interdisciplinary Studies
<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Health and Public Affairs</td>
<td>Aging Studies, Communication Sciences and Disorders, Criminal Justice, Emergency Management and Homeland Security, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Nonprofit Management/National Certification Program in Nonprofit Management, Public Administration, Urban and Regional Planning</td>
</tr>
<tr>
<td>College of Medicine</td>
<td>Biomedical Sciences</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/).
Committed to diversity in both the composition of its student body and the programs that it supports, The Burnett Honors College (TBHC) at UCF provides a challenging and exciting educational experience to academically talented students. TBHC combines the atmosphere of a small liberal arts college with the intellectual stimulation of a large metropolitan research university. Honors students receive an education that prepares them to enter the best graduate and professional schools as well as pursue distinguished careers.

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

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

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

University Honors

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

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

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors students must: 1) complete 4 Honors lower-division courses; 2) complete the Honors Freshmen Symposium; and 3) 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 and complete an exit interview. A student who completes all of the requirements for University Honors will have the designation of "University Honors" entered on the diploma and transcript. Note: No student with a "Z" designation on his/her final transcripts is eligible to graduate with University Honors.

Summary Table of University Honors Requirements

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

The current upper-division requirements are as follows:

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

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

Consult with an Honors advisor to find out when these courses are being offered.
University Honors Upper-Division Program Requirements:

- Computer Science and Information Technology majors
- College of Engineering and Computer Science (excluding
  http://research.honors.ucf.edu/Honors_in_the Major/)

- Complete one Honors Interdisciplinary Seminar
- Complete two Honors upper-division Engineering courses
- STA 3023H Probability and Statistics for Engineers
- EGN 3310H Engineering-Analysis Statics
- EGN 3321H Engineering-Analysis Dynamics
- EGN 3373H Principles of Electrical Engineering
- EEL 4818H Machine Learning I
- EEL 4817H Machine Learning II

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

University Honors Upper-Division Program Requirements:

- Computer Science majors
- Complete one Honors Interdisciplinary Seminar
- Complete two Honors upper-division Computer Science courses
- COP 3223H C Programming
- COP 3502H Computer Science I
- COP 3503H Computer Science II
- COT 3100H Introduction to Discrete Structures
- ENC 3241H Writing for the Technical Professional

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

University Honors Upper-Division Program Requirements:

- College of Medicine (excluding Medical Laboratory Sciences majors)
- Complete one Honors Interdisciplinary Seminar
- Complete two of the following Honors upper-division courses
- BSC 3403H Quantitative Biological Methods
- MCB 3020H Microbiology
- ZOO 3733H Human Anatomy
- PCB 3703H Human Physiology
- PCB 4534H Molecular Biology II
- ZOO 4704H Clinical Neuroanatomy

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

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

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 106) prior to their participation in the listed programs. Students may only receive one waiver of credit per undergraduate career.

Notes

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

Honors in the Major (HIM) courses do NOT count for University Honors requirements. However, EGN 4931H and NUR 3165H can count for HIM Directed Readings.

Student-Mentor Academic Research Teams

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

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

Office of Prestigious Awards

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

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

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

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

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

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

TBHC at 407-823-6402 or honorsresearch@ucf.edu.
College of Arts and Humanities

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

Associate Dean: Lyman Brodie
CAH 190; 407-823-2251
Associate Dean: Lynn Hepner
CAH 190; 407-823-2251
Assistant Dean: Paul Lartonoix
CAH 190; 407-823-2251
Assistant Dean: Nancy Stanlick
CAH 190; 407-823-2251

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

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

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

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

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with approximately three-quarters of the course work representing theory content is typically suggested. Majors such as English, History, Legal Studies, Philosophy, Sociology, and Political Science meet this criterion. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that the Law School Admission Test (LSAT) be taken prior to consideration for admission. General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-law Advisor.

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

Advisement

CAH Student Advising (CAHSA)

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

CAH Student Advising (CAHSA) is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 201 or by calling 407-823-3312. Questions concerning the requirements within a major should be directed to the Department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

Program Planning

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

Area Studies Programs

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

African-American Studies - Contact: Anthony Major; 407-823-0026
American Studies - Contact: Lynn Hepner; 407-823-2251
Asian Studies - Contact: Paul Giordano; 407-823-2472
Judaic Studies - Contact: Moshe Pelli; 407-823-5039
Latin American, Caribbean and Latino/a Studies - Contact: José Maunez-Cuadra; 407-823-1173
Middle Eastern Studies - Contact: Hakam Ozoglu; 407-823-2225

International Study Centers

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

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

Programs, Tracks, and Degrees

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<thead>
<tr>
<th>Title</th>
<th>Degree</th>
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<tbody>
<tr>
<td>African-American Studies</td>
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<tr>
<td>American Studies</td>
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<tr>
<td>Architecture</td>
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<tr>
<td>Art</td>
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<tr>
<td>Asian Studies</td>
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<tr>
<td>Cinema Studies (Film)</td>
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<tr>
<td>Community Arts - PAVE</td>
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<tr>
<td>Dance</td>
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<tr>
<td>Digital Media</td>
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<td>English</td>
<td>Minor</td>
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<td>Film</td>
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<tr>
<td>French</td>
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<tr>
<td>History</td>
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<td>Italian</td>
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<td>Jazz Studies</td>
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<tr>
<td>Judaic Studies</td>
<td>Certificate</td>
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<tr>
<td>Latin American Studies</td>
<td>Minor</td>
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<td>Middle Eastern Studies</td>
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<td>Philosophy</td>
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<tr>
<td>Religious Studies</td>
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<tr>
<td>Spanish</td>
<td>Minor</td>
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<tr>
<td>Teaching English as a Foreign Language (TEFL)</td>
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<tr>
<td>Teaching ESL</td>
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<td>Theatre</td>
<td>Minor</td>
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<tr>
<td>Translation and Interpretation</td>
<td>Certificate</td>
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<tr>
<td>Women's Studies</td>
<td>Minor</td>
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<tr>
<td>Writing and Rhetoric</td>
<td>Minor</td>
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Departments and Programs

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

The College of Arts and Humanities offers a minor in African-American Studies, which gives students the opportunity to explore the African American experience from a multidisciplinary perspective. The program is designed to enhance and complement the student’s major area of study. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre. The program’s interdisciplinary approach emphasizes the artistic and intellectual traditions of African Americans, and is dedicated to developing expertise and knowledge of the black experience in the African Diaspora.

Degrees: None
Tracks: None
Minors: African-American Studies

American Studies: Program
Contact: Lynn Hepner
CAH 190; 407-823-2251

The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from Literature, Humanities, Social Sciences and History.

Degrees: None
Tracks: None
Minors: American Studies
Asian Studies: Program

Contact: Paul Giordano
CNH 523; 407-823-2472

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (Anthropology, Art History, Economics, English, Foreign Languages, History, Humanities, Philosophy, Political Science).

Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts—PAVE: Program

Program Director: Paul Lartonoix
VAB 117; 407-823-2676

A minor in Community Arts—Partners in Art in Visual Education (PAVE) is offered for students who are majoring in Art, Music, Theatre, or English.

Degrees: None
Tracks: None
Minors: Community Arts

Department of English

Chair: Patrick Murphy
CNH 405; 407-823-1159
Email: english@ucf.edu
http://www/english.cah.ucf.edu/

Faculty: Angley, Apellen, Bartkevicius, Campbell, Casmier-Paz, Cato, Dombrowski, Fiamma, Gleyzon, Grajeda, Hasanat, Hohenleitner, Hubbard, A. Jones, D. Jones, Kamrath, Kesler, Lillois, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Nwakanma, Oliver, Poissant, Pugh, Rodriguez-Milanes, Roney, Rushin, Schell, Seidel, Spraker, Stag, Telep, Thaxton, Trouard, Utich, Young; Professors Emeriti: Adicks, Barnes, Omans, Schiffhorst

The Department of English is responsible for the effective teaching of language and literature in English, including World Literature, Linguistics, rhetoric, and creative, expository, and technical writing. Students may concentrate in creative writing, technical communication, or literature. The Department serves the broad needs of the University with course offerings in writing and literature for students from other departments. The Department has a Technical Documentation Writing Lab and also publishes The Florida Review, The Cypress Dome, and The Faulkner Journal. An Honors in English program provides an enriched course of study for exceptional students, leading to graduation with honors. Program description follows concentration degree plans.

Degrees: English (BA, MA), Creative Writing (MFA)
Tracks: Literature, Creative Writing, Technical Communication
Minors: Creative Writing, Literature, Linguistics, Medieval/Renaissance, Technical Communication

Department of History

Interim Chair: John Sacher
CNH 551B; 407-823-2225
Email: history@ucf.edu
http://history.cah.ucf.edu/

Faculty: Adams, Beiler, Cassanello, Clark, Crepeau, Dandrow, Darby, Farless, Fernandez, Foster, French, Gannon, Gordon, Graham, Head, Herlhy, Kallina, Larson, Lester, Lindsay, Long, Lyons, Martinez-Fernandez, Murphree, Nair, O’Shea, Ozoglu, Pineda, Sacher, Solonari, Walker, Walters, White, Zhang; Faculty Emeriti: Colburn, Lockie-Reed, Pauley, Shoener

History is the study of the past. Its objective is to understand the past, and through the past, to understand the present. The discipline of history is more than 2,500 years old and remains a vital body of knowledge in the 21st century.

Students who are interested in becoming a lawyer should seriously consider a major in history as a foundation for law school. Law is a historical phenomenon and part of the political, social, and economic processes that have contributed to the success of the United States. An understanding of history lends great insight to the function of, and motives behind, the legal system. In addition, a careful study of history will enable the student to become effective in oral and written communication while developing intellectual skills in critical thought and analysis, both of which are invaluable to the study of law.

The Department participates in the programs in Women’s Studies, American Studies, African-American Studies, Asian Studies, Judaic Studies, Middle Eastern Studies, and Latin American, Caribbean and Latin Studies.

Degrees: History (BA, MA, Accelerated MA)
Tracks: None
Minors: History

Judaic Studies: Program

Program Director: Moshe Pelli
CNH 415 E-J; 407-823-5039 or 823-5129
Email: judaicst@ucf.edu
http://www.judaicstudies.cah.ucf.edu

Faculty: Hanson, Pelli

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The program offers instruction, conducts research, and disseminates knowledge in the civilization of the Jewish people from Biblical times to the present day in the major dimensions of its creativity: literature, language, religion, philosophy, law, and social, political and economic organization. Because the roots of western culture and civilization and major world religions lie in ancient Jewish thought and practice as manifested in the Hebrew Bible and subsequent writings, Judaic Studies form an essential component of the university’s curricula.

The program enables students to acquire a foundation of knowledge of Jewish history, the Hebrew language, Jewish philosophy, culture, religious beliefs, and political aspirations; and to understand the contribution of Judaism to western civilization. The courses highlight major aspects of Jewish civilization, focusing on its interaction with other cultures and on the bodies of human knowledge upon which it draws. The program is designed to serve students pursuing careers in general or Jewish education, in communal works and Middle-Eastern affairs, in languages, humanities, or liberal arts, in the ministry or rabbinate, and in the community at large.

Degrees: None
Tracks: None
Minors: Judaic Studies
Certificates: Judaic Studies

Latin American, Caribbean, and Latino Studies

Program Director: José Maunez-Cuadra
CNH 122; 407-823-1173
Email: latinamerica@ucf.edu
http://las.cah.ucf.edu/

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

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

Middle Eastern Studies: Program

Program Director: Hakan Ozoglu
CNH 551; 407-823-2225
Email: hakan@ucf.edu
Advisory Board Co-Chairs: John C. Bersia; Janan Smither
http://middleeasternstudies.cah.ucf.edu/

An interdisciplinary minor designed to offer students both an overview of Middle Eastern civilization and a detailed study of its most important features. The focus of the program is on the religious, political, historical and social forces shaping the region. Course work will include classes from the curricula of participating programs (Modern Languages, History, Humanities, Judaic Studies, Philosophy, and Political Science).

Degrees: None
Tracks: None
Minors: Middle Eastern Studies
**Department of Modern Languages and Literatures**

*Chair: Paul Giordano*

CNH 523; 407-823-2472

Email: Hfncf@ucf.edu

http://mlt.cah.ucf.edu/

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, MA, MFA), Digital Media (BA, MA, 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, Digital Media, Film-Cinema Studies, Studio Art

Women’s Studies: Program

Program Director: M.C. Santana
CNH 122; 407-823-6502
Email: womensst@ucf.edu
http://www.womensstudies.cah.ucf.edu/

Faculty: Preston, Santana, Tweed

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

Degrees: BA (Interdisciplinary Studies)

Tracks: Women’s Studies Track in Interdisciplinary Studies

Minors: Women’s Studies, Certificate

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

Dean: Paul Jarley
BA 230; 407-823-2181
http://wclaseb.bus.ucf.edu

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

Associate Dean: E. Taylor Ellis
BA2 101-W; 407-823-2187

Interim Associate Dean: TBA
BA2 307

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

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

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

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

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

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

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

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

Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of “C” (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. Courses taken at community colleges do not substitute for upper division courses. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
BE 2020
UCF Business... the Best Undergraduate Business Education in Florida. In 1993 the UCF Business faculty established a goal to deliver the best undergraduate business education in Florida. The product of the alumni, faculty, business leaders, and students, the Business Education 2000 (BE2000) curriculum focused on four competencies that are integrated throughout all coursework: Teamwork, Communication, Creativity, and Adapting to Change. These four competencies were expanded in 2002 to include Ethics and Diversity. Today the BE 2020 degree program is a continuing refinement of the curriculum based on the ever-changing needs of business. Faculty, working with representatives from the business community, help you develop these competencies as you work through the following required courses in the Business Core:

GEB 3031 Cornerstone
GEB 3356 Introduction to International Business
BUL 3130 Legal and Ethical Environment of Business
ECO 3411 Quantitative Business Tools II
FIN 3403 Business Finance
MAN 3025 Management of Organizations
MAR 3203 Supply Chain and Operations Management
MAR 3023 Marketing
MAN 4720 Strategic Management

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

College of Business majors must maintain a 2.0 or higher cumulative Grade Point Average in all classes taken within the College of Business Administration at UCF. Failure to maintain the required 2.0 GPA, will result in the student being placed on Lack of Progress (LOP) in the College. Lack of Progress in the College will continue until such time as the student's cumulative GPA, in all business courses reaches 2.0 or higher. If a student on LOP in the College of Business, fails to achieve a 2.0 cumulative minimum GPA in all business classes in the subsequent term, that student will be dropped as a Business major. A student who is dropped may seek re-admission as a Business major by submitting a petition indicating the reasons for academic difficulties and positive plans for achieving a College of Business GPA of 2.0 or higher. Readmission is not automatic.

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

Community/Junior College Transfer Notes
1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida's community and junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 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 waivered from ECO 3401 Business Quantitative Tools. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.
2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of "C" (2.0) or higher transfer into the program.
3. Florida Public Community College students are advised to complete the Associate of Arts Degree including:
   a. The general education requirements, including Gordon Rule requirements;
   b. All of the common program prerequisite courses.

4. Courses taken at community colleges do not substitute for upper division courses.
5. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
6. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/junior college course work.
7. A minimum of 12 credit hours must be completed at UCF within each individual major and a minimum of 30 hours of upper level courses within the UCF College of Business.

Advisement
Undergraduate Student Services
Director: TBA
BA2 101; 407-823-2184
The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business. Degree requirements, registration, and any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Undergraduate Student Services staff in BAIL 101 or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/uss/.

Programs and Degrees

Title
Accounting
Business Administration
Economics
Finance
Management
Marketing
Business (Regional campuses only)
Real Estate

Degree
BSBA, MSA, MST
MBA, Ph.D.
BA, BSBA, MS, Ph.D.
BSBA
BSBA
BSBA
BSBA
BA
BSBA, MSRE

Departments and Programs
Kenneth G. Dixon School of Accounting
Director: Sean Robb
BA 437; 407-823-2871
Assistant to Director: M. Hampton
BA 438; 407-823-5678
Faculty: Allen, Arnold, Dennis, Desai, Durham, Dwyer, Goldwater, Hampton, Hornik, Judd, Kelliher, Klintworth, Lako, Robb, Roberts, Roush, Schmitt, Smith, Sutton, Trompet, Veit, Welch, Yu

Mission Statement
The mission of the Kenneth G. Dixon School of Accounting is to develop and deliver strong undergraduate and graduate programs, support and produce nationally and internationally relevant accounting research, and engage meaningfully with the academic and practitioner accounting communities.

Distinctive Benefits
- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching and research excellence.
- Over a dozen scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of the accounting and taxation programs.
- Outstanding pass rates on the CPA exam.

Degrees: Accounting (BSBA, MSA, MST, Ph.D.)
Minors: Accounting
Department of Economics
Chair: M. Dickie
BA 405-D; 407-823-3266;
Email: economics@bus.ucf.edu
Faculty: Aysun, Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzent, Gerking, Gibbs, Guldi, Hoffer, Martin, Milan, Moore, Pennington, Potter, Scroggin, Soskin, Underwood
Faculty Advisors:
- Michael Caputo
- Email: mcaputo@bus.ucf.edu;
- D. Scroggin
- Email: dscroggin@bus.ucf.edu;
- N. Underwood
- Email: nunderwood@bus.ucf.edu;
BA 302Q, 407-823-1405
BA 302J, 407-823-4129

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

Degrees: Business Economics (BSBA)
Economics (BA)

Minors: Economics, Economic Policy

Department of Finance
Chair: A. Byrd
BA 409; 407-823-3575
Faculty: Ajayi, Anderson, Borde, Byrd, Chen, Choi, Curcio, Frye, Gateche, Gilkeson, Gregg, Park, Ramanial, Schnitzein, Smith, Strum, Sweo, Turnbull, Whyte

The program in finance is designed to provide the student with broad knowledge in finance, including business finance, investments, financial institutions, international finance, risk management and insurance, and real estate. The program provides the student with the theoretical background and tools of analysis required for making effective financial decisions. The study of finance prepares the student for careers in business financial management, investments, banking and real estate.

Distinctive Benefits
- Students prepare for career opportunities in business and corporate financial management, commercial banking, real estate, investment management and counseling, investment banking, mortgage banking, multinational business, insurance and government.
- Students who major in finance are sought by both financial and non-financial firms.
- The rapidly changing domestic and international economies need individuals who have the skills to make sound financial decisions.

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

Minors: International Business, Real Estate, Finance

Certificates: Banking, Investments, Real Estate Brokerage, Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

General Business
Faculty Advisor: S. Goodman
BA 335; 407-823-2679

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

Degrees: General Business (BSBA, MBA, Ph.D.)

Minors: For non-Business majors

Department of Management
Chair: Stephen Goodman
BA 335; 407-823-2679
Faculty: Ambrose, Baz, Becker, Blencoe, Boettcher, Ciuchta, Cleavenger, Connell, Crossley, Ford, Harris, Holland, Jarley, Jones, Kutkut, Migenes, Nichols, O’Donnell, O’Neal, Porter, Quinn, Rains, Rockmore, Saunders, Schminke, Taylor, Viggiano

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

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

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

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

Minor: Entrepreneurship

Department of Marketing
Chair: Ronald E. Michaels
BA 302; 407-823-2108
http://www.bus.ucf.edu/marketing/
Faculty: Allen, Bhardwaj, Cole, Desiraju, Gundy, He, Joshi, Krishnamoorthy, Leon, Mao, Massiah, Mayfield-Garcia, Michaels, Quaintance, Sooder, Steiger, Stock, Vadakkepatt, Valdez, Wang

The marketing major provides a superior education in foundation areas such as research, consumer behavior, professional selling,
marketing management, and strategy. Our curriculum focuses on building skills in communication, teamwork, critical thinking, analysis, and thinking strategically. Among the things you will learn are how to conduct sales calls, analyze sales and profit reports, prepare marketing plans, and construct marketing strategies — knowledge and skills that will make you highly marketable and successful. A wide assortment of marketing electives is designed to let each student round out his/her education according to individual career interests, whether that might be retailing, advertising, e-business, research, professional selling, sport marketing, healthcare marketing, entertainment marketing, or services. The curriculum is delivered by highly-talented faculty members and offers you a superior educational experience while at UCF. Students majoring in marketing have the opportunity to earn a personalized certificate in any of seven special interest areas. The certificate program combines elective courses with an internship, and enhances your value to potential employers.

The department’s highest visibility offering is the professional selling program (track within the major). Admission to this renowned program is competitive; application and interview are required. Scholarships for this program are available and awarded on a competitive basis. Please see our department website for more details.

A minor in marketing requires 19 hours. This course of study provides a strong basic education in marketing for College of Business students with majors other than marketing or students with majors from other Colleges. Earning a minor in marketing can add significant value and career flexibility for any UCF student with any major. Marketing internships are available (application necessary) and there are several vibrant marketing-related student organizations in which you can participate.

Distinctive Benefits

- Innovative curriculum for marketing majors and minors.
- Renowned Professional Selling Program is offered within the marketing major; application required.
- Seven certificate programs are available for marketing majors.
- A 19-hour marketing minor is available for students with majors other than marketing.
- Twenty dynamic faculty members are among the strongest teachers in the College.
- Comprehensive course offerings are available each semester and summer—you can finish!
- Strong emphasis on preparing students for careers in marketing management.
- Approximately 15 scholarships are awarded annually on a competitive basis.
- Opportunities to participate in internships and honors in the major programs.
- Opportunities to participate in student chapters of the Society for Marketing Professional Services, the Ad Club, and the Sales Club.

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

For more information, visit http://www.bus.ucf.edu/marketing/ or call 407-823-2108. The department’s office is located in BA2 307S.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://www.oeas.ucf.edu/alc/alc_students_cba.htm
College of Education
Dean: Sandra L. Robinson
ED 308; 407-823-5529
http://education.ucf.edu

Executive Associate Dean: TBA
407-823-2046
Associate Dean: TBA
407-823-3906

The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary/K-12, technical education and industry training, and sport and exercise science professions. The College of Education is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education is the leading source of education baccalaureate degrees in the State of Florida.

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

Success to Significance
- America’s 100 Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State and National Accreditation
- Proven and promising practices
- Partnerships with twelve Central Florida school districts
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Academy for Teaching, Learning and Leadership
- Toni Jennings Exceptional Education Institute
- Morgridge International Reading Center
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Teacher Recruitment and Retention Program
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly effective teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- Majors in Early Childhood, Elementary, and English Language Arts Education graduate with an ESOL Endorsement
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)
**Admission to the College of Education**

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

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

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

**New students will:**

1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education

2. Be advised by the College of Education Academic Advising Center (ED 115) if their major is Elementary Education or Education Pending. Academic advising sessions may be scheduled by calling 407-823-5369 or 407-823-3723.

3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The advisor’s name and telephone number appear on the Degree Audit and in myUCF to assist students in making an advising appointment.

4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education based on program requirements.

**Continuing students will:**

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

**Office of Student Affairs**

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

**Mission Statement**

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

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**Clinical Experiences**

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

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

**Students must be aware:** that criminal records may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

All applications for internships are accessed at the Clinical Experiences website and are approved by the Office of Clinical Experiences. Once applications are approved by the Office of Clinical Experiences, students must register themselves for the internship course and 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 certified supervising teachers. Students are enrolled in a limited number of related professional courses during the experience. Additional courses may be taken only with the consent of the academic program coordinator and department chair. The Internship I experience is completed locally and is arranged by the Office of Clinical Experiences.

**Admission to Internship I**

Admission to Internship I will be granted to students who have been admitted to the College of Education and who meet the following additional requirements at the time of application.

- A minimum overall GPA of 2.5 or higher.
- Possess a minimum professional preparation 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.
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- Complete a formal application for Internship I online by deadlines listed above.
- Meet any special departmental or program requirements
- Be recommended by the faculty of the department of the student’s major.
- The Early Childhood Education program includes a seminar/field experience course in lieu of Internship I.

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

**Internship II**

Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program. Internship II is a 9-12 semester hour experience (depending on the program) normally completed during the student’s last semester.

**Admission to Internship II**

Admission to Internship II will be granted when students have met the following requirements at the time of application.

- Successful completion of Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and pass the FTCE Subject Area Exam and Professional Education Test before applying for Internship II.
College of Education

- Possess a minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors).
- Possess minimum professional preparation GPA of 2.5*
- Possess minimum specialization GPA of 2.5*
- Achieve a "C-" (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas. (A minimum of 2.75 GPA is required for Early Childhood Development and Education majors.)
- Complete a formal application for Internship II by the published deadline
- Be recommended by the faculty of the department of the student’s major
- Meet any special departmental or program requirements

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

*Some programs may specify a different GPA requirement for admission

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

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

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

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

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

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

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

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

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

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

The College of Education Academic Advising Center provides academic advising assistance for newly admitted elementary education students. All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in, appointment and advising sessions.

Information sessions provide students with additional knowledge concerning their degree programs and responsibilities. The dates, times and locations of information sessions will be posted on the College of Education website.

Department of Child, Family, and Community Sciences
Chair: Jay R. Hoffman
ED 209-E; 407-823-2595
Faculty Academic Administrator: Roanne G. Brice
ED 206-H; 407-823-0664


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

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

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

Students majoring in Sport and Exercise Science B.S. can select one of the following specialization areas: Coaching, Human Performance, or Children’s Physical Activity and Movement. Minors are offered in the following disciplines: Early Childhood Development and Education, Exceptional Student Education, Coaching, Fitness Training, and Recreation. Additionally, several graduate level programs are available in the department:

Exceptional Student Education M.A. or M.Ed. http://education.ucf.edu/exed/
Sport and Exercise Science, M.S. http://education.ucf.edu/sportexscience/
Exercise Physiology Track in Education Ph.D. http://education.ucf.edu/sportexscience/

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

Department of Educational and Human Sciences

Chair: Edward “Mike” Robinson
ED 209-H; 407-823-6106
Academic Administrator: Brenda Thompson
ED 206-E; 407-823-6579
http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences

Faculty: Bai, Beverly, Boote, Boyd, Butler, Cintron, Clark, Daire, Edwards, Hagedorn, Hahn-Vaughn, Hayes, Hirumi, Hundley, Jones, Lambie, Mehta, Owens, Robinson, Sivo, Taub, Van-Horn, Vitale, Whiteman, Witta, Xu, Young

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

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

School of Teaching, Learning and Leadership

Co-Director: Karen L. Biraimah
ED 209-B; 407-823-2426
Co-Director: Michael Hynes
ED 209-D; 407-823-2005
http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership

Faculty Administrators and Coordinators:
Janet Zajac
ED 223H, 407-823-0523
Maria Cox
ED 206-D; 407-823-1763
Melissa Feyer
ED 209-C; 407-823-0303
Lindsay Archambault
ED 206-F; 407-823-2881


Elementary Education

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

Secondary Education

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

Educational Leadership

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 superintendency.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education are located at: http://oeas.ucf.edu/alc/alc_students_coe.htm
Undergraduate Majors and Degrees

Aerospace Engineering  BS
Civil Engineering  BSCE
Computer Engineering  BSBE
Computer Science  BS
Construction Engineering  BSCmE
Electrical Engineering  BSEE
Environmental Engineering  BSEv
Industrial Engineering  BSIE
Information Technology  BS
Mechanical Engineering  BSME

Accelerated BS/MS Degree Program

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

College Mission Statement

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

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

College Organization

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of four engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Electrical Engineering and Computer Science (EECS) Department, the Industrial Engineering and Management Systems (IEMS) Department, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The Department of Electrical Engineering and Computer Science offers degree programs in Computer Science, Information Technology, and Electrical and Computer Engineering. The ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All departments of the Engineering and Computer Science Division offer advanced studies leading to master’s degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, http://www.abet.org.

The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The AFROTC program offers a minor in Aerospace Studies, and the AROTC program offers a minor in Military Science.
The Honors Program in the College of Engineering and Computer Science

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

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

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

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and would like to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (3 credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis.

In order to be admitted to the Honors in the Major program, the student must:
1. Have at least 60 credit hours, including at least 12 graded, upper division credit hours at UCF.
2. A minimum UCF GPA of at least 3.20 in all upper division courses.
3. A minimum GPA of 3.50 or more in the Engineering option courses.
4. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Dr. Charles Reilly, Engineering Building 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.

Department of Civil, Environmental, and Construction Engineering

Interim Chair: Essam Radwan
ENG2 211; 407-823-2841
http://www.cece.ucf.edu

Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Cooper, Duranceau, Hagen, Mackie, Madani, Nam, Nnadi, Oloufa, Radwan, Randall, Reinhart, Tatari, Wang, Yun, Zhang

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

The Civil Engineering Program

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

Mission

The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Civil Engineering graduate education and research.

Educational Objectives

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

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from physics such as vector mechanics and equilibrium.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will be able to complete a comprehensive environmental engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.
10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

The Environmental Engineering Program

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

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

Mission

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

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

Educational Objectives

Within the first several years following graduation, graduates should:

1. Be successfully employed or employable in environmental engineering practice in areas such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields and/or be continuing their studies at the graduate level.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.
3. 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.
4. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from chemistry such as stoichiometry, kinetics, equilibrium and gases.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will be able to complete a comprehensive environmental engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.
10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

The Construction Engineering Program

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

Mission

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

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

Educational Objectives

Within the first several years following graduation, graduates should:

1. Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields and/or be continuing their studies at the graduate level.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.
3. 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.
4. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

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

The mission statement and objectives for the Civil Engineering, Environmental Engineering, and Construction Engineering programs are electronically posted and routinely updated. More information on the Civil and Environmental Engineering programs can be found on the CECE Department home page at http://www.cece.ucf.edu.
The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and computing technology, and for a lifetime of learning.

Educational Objectives

1. To give CS graduates the knowledge and skills necessary to participate as effective team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications.
2. To prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.
3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance, and administration.

Program Outcomes

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

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

Mission

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

Educational Objectives

By graduation each student should be able to:

1. Apply knowledge of computing and mathematics appropriate to the discipline
2. Analyze a problem, and identify and define the computing requirements appropriate to its solution
3. Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs
4. Function effectively on teams to accomplish a common goal
5. Understand professional, ethical, legal, security and social issues and responsibilities
6. Communicate effectively with a range of audiences
7. Analyze the local and global impact of computing on individuals, organizations, and society
8. Recognize the need for and an ability to engage in continuing professional development
9. Use current techniques, skills, and tools necessary for computing practice.
10. Use and apply current technical concepts and practices in the core information technologies.
11. Identify and analyze user needs and take them into account in the selection, creation, evaluation, and administration of computer-based systems.
12. Integrate IT-based solutions effectively into the user environment.
14. Assist in the creation of an effective project plan.

Electrical and Computer Engineering Division

Chair: Zhihua Qu
HEC 439C; 407-823-5942

Faculty: Batarseh, Behal, DeMara, Georgopoulos, Gong, Haralambous, Jones, Lin, Liou, Lofflard, Malocha, Mikhail, Qu, Richie, Shen, Sinaart, Sundaram, Wahid, Wang, Weeks, Wei, T.-Wu, Yuan

The Electrical and Computer Engineering division offers baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BSCpE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.CpE), and Doctor of Philosophy (Ph.D.) are also offered (see online Graduate Catalog).

The curriculum provides an integrated experience including humanities and social sciences, mathematics and basic sciences, engineering core, computing, and design experience. The laboratory experiences appropriately combine theory and practice in the Electrical and Computer Engineering programs through a logical progression of courses. Design experiences start with the first circuits course, EEL 3004, and progress to the senior design capstone courses. This senior design experience is a two-semester sequence totaling six credit hours. Aspects of engineering economics, administration, oral presentation, professional issues such as ethics, safety and environmental impact are also covered in the design courses. The design projects required in the design course sequence address real-life problems, and the students work in a team setting. Also, several projects are developed jointly with our industrial partners.
The 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 EEL 4309C), and Digital Signal Processing (EEL 4750). Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4767C), Networks and Systems (EEL 3123C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics, and solid state devices, microwaves and electromagnetics, optical engineering, and power/ power electronics.

Mission

The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering.

Educational Objectives

The objectives of the EE Program at UCF are that:

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

Program Outcomes

Graduates of the Electrical Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering
2. An ability to design and conduct experiments, as well as to analyze and interpret data
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
4. An ability to function on multidisciplinary teams
5. An ability to identify, formulate, and solve engineering problems
6. An understanding of professional and ethical responsibility,
7. An ability to communicate effectively
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,
9. A recognition of the need for, and an ability to engage in life-long learning
10. A knowledge of contemporary issues
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
12. Knowledge of probability and statistics necessary for use in engineering practice
13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variables.


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

Mission

To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging jobs in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and interpersonal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:

1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to multi-disciplinary team efforts.
7. To provide graduates who are responsible to the industrial engineering profession and to our modern global society.
8. To produce graduates who value life-long learning.

Program Outcomes:

1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
2. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.

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

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

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

**Program Outcomes**

1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerostructures, materials, propulsion, flight mechanics and stability and control. Students emphasizing astrophysics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, and space systems concepts.

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

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

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

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

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

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

8. The ability to generate questions and hypotheses, design experiments, analyze and interpret measurements from aerospace engineering applications.

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

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

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

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

**Mission: Mechanical Engineering**

In support of the University and College missions, the Mechanical Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our graduates will be well prepared for their role as engineers in society and will have a command of environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

**Educational Objectives**

1. **Career Preparation:** The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.

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

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

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

**Program Outcomes**

1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerostructures, materials, propulsion, flight mechanics and stability and control. Students emphasizing astrophysics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, and space systems concepts.

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

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

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

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

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

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

8. The ability to generate questions and hypotheses, design experiments, analyze and interpret measurements from aerospace engineering applications.

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

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

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

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

**Mission: Mechanical Engineering**

In support of the University and College missions, the Mechanical Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional aerospace industry, our graduates will be well prepared for their role as engineers in society and will have a command of environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

**Educational Objectives**

1. **Career Preparation:** The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.

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

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

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

**Program Outcomes**

1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerostructures, materials, propulsion, flight mechanics and stability and control. Students emphasizing astrophysics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, and space systems concepts.

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

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

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

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

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

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

8. The ability to generate questions and hypotheses, design experiments, analyze and interpret measurements from aerospace engineering applications.

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

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

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

12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.
2. **Skills:** To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in mechanical technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduate goal.

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

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

**Program Outcomes**

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

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

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

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

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

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

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

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

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

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

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

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

**Reserve Officer Training Corps**

**Air Force ROTC (Aerospace Studies)**

*Chair: Col. Michael J. Chandler*

Portable 501, Room 103; 407-823-1247, Fax: 407-823-2265

*Faculty/Staff: Major Clark, Major Florence, Captain Johnson, Captain Peloquin, SSgt. Sutton, and Mrs. McDade, Office Manager*

The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the active duty Air Force. The department offers three-year, three and a half-year, and four-year, Air Force ROTC programs. The program provides on-campus study during the freshman through senior years to earn an Air Force commission while completing their studies. Also available is the Cross-Town program allowing community college transfer students to begin the Air Force ROTC program while dual enrolled in a designated community college for academic classes and at UCF as a non-degree seeking student for Air Force ROTC classes and activities. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC program. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at [http://airforce.ucf.edu](http://airforce.ucf.edu) and the Air Force ROTC home page at [http://www.afrotc.com](http://www.afrotc.com).

**Curriculum**

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

1. **General Military Course (GMC)**

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

2. **Professional Officer Course (POC)**

   The Professional Officer Course is designed to develop and hone managerial and officer skills during a student’s junior and senior years. All students who seek a commission through the Air Force ROTC must complete the POC curriculum. The curriculum involves the study of concepts of leadership and management in the Air Force and an analysis of the formulation and implementation of American defense policy.

**Leadership Laboratory**

Leadership Laboratory is a required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

**Requirements for entry into the Professional Officer Course**

- Be at least 17 years of age at the time of acceptance
- Be able to complete the Professional Officer Course and complete all degree requirements prior to reaching age 29 if entering Flight Training, or before age 30 (can be waived to age 35) if entering a non-flying Air Force specialty
- Pass the Air Force Officer Qualifying Test
- Pass an Air Force medical examination
- Pass the Air Force Physical Fitness Assessment each semester
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course (either four or five weeks)
- Enlistment in the Air Force Reserve certifying agreement to complete the POC and accept an Air Force Commission. This enlistment is terminated upon receipt of a commission

**Monetary Allowance**

All contracted students enrolled in the Professional Officer Course receive a tax-free monetary allowance of $450 or $500 per month based on their academic classification.

**Air Force ROTC Scholarship Program**

Scholarships are phased between two and four years and are awarded on a competitive basis. Depending on state residency and credit hours, these scholarships may provide for full tuition and fees, and an allowance for textbooks. For additional information on Air Force ROTC call 407-823-1247 or visit our website at [http://airforce.ucf.edu](http://airforce.ucf.edu) or email us at AFROTC@mail.ucf.edu. This information is subject to change.

**Summer Training**

All students must attend a summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL. This course includes junior officer training, officer career orientation, and physical conditioning. Students enrolled in the four-year AFROTC program will attend a four-week summer course, normally upon completion of the General Military Course. These students must complete their summer training prior to their formal enrollment in the Professional Officer Course curriculum. These students need to contact the department early in the Fall prior to the Summer Field Training.

**Officer Commissioning**

Students who complete the Professional Officer Course are appointed Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they will serve a minimum active duty tour which varies in length depending on their particular career area (typically four years). Such obligations are explained in detail during the one-on-one counseling sessions conducted with each candidate by detachment officers.
**Army ROTC (Military Science)**

*Chair:* LTC Sean Morgan  
*Portable 501, Room 110; 407-823-2430; Fax: 407-823-5324*  
*http://army.ucf.edu*

**Faculty/Staff:** LTC (R) Morales, MAJ Manrique, MAJ Hillsgrove, MSG Almanzar, SFC Michael, Ms. Brown, Ms. Connor, Mr. Rivera, Ms.Acquaviva, Office Manager

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 lab. This must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army’s Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus.

Note: 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](http://army.ucf.edu).

**Curriculum**

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

1. **Basic Military Science**
   A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001, 1002, 2101, 2102). Students will also participate in a Field Training Exercise (FTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.

   B. Requisites for admission to the Basic Course:
      - Enrollment in a Baccalaureate or Master’s degree program
      - Full-time student status

2. **Advanced Military Science**
   A. The Advanced Military Science courses (MSL 3101, 3202, 4301, 4302) 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 who want to pursue a commission as a Second Lieutenant must meet pre-requisite requirements to contract and must obtain permission from the department chair prior to participating in the advanced course. They must also successfully complete a 32-day Leadership Development and Assessment Course at Fort Lewis, WA, normally between their junior and senior years.

   B. Requisites for Admission to the Advanced Course:
      - Successful completion of Basic Course, or placement credit
      - Must be at least 17 years of age at the time of entry, but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34)
      - Successful completion of an Army physical examination

3. **Monetary Allowance**

   All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of $300 during the freshman year, $350 during the sophomore year, $450 during the Junior year and $500 during the Senior school year.

4. **Scholarships**

   Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board not to exceed $10,000 and $1,200 annually for books and fees. In addition, all contracted scholarship students also receive the monthly stipend during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

5. **Placement Credit**

   Placement credit for the Basic Course can be offered to students with prior service, 3 years of Junior ROTC, and completion of the Leaders Training Course (see below). Placement credit for prior service is extended to include Active duty, Reserve Forces and National Guard. Although prior service and Junior ROTC waives the Basic Course, a student that qualifies for placement credit may elect to enroll in the Basic Course.

6. **Daytona Beach Campus Students**

   These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, 904-239-6469. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

**Summer Training Courses**

1. **Basic Course Summer Training (Leader Training Course)**

   Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students attending the summer course receive approximately $800.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

2. **Specialized Summer Training Courses**

   Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include:
   a) Airborne Training; b) Air Assault Training; c) Northern Warfare Training; d) Cadet Troop Leadership Training; and e) Mountain Training.

3. **Leadership Development and Assessment Course (LDAC)**

   All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Lewis Washington prior to receiving a commission as an Army Officer. This camp evaluates a student’s leadership performance and potential. LDAC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend LDAC the summer following their junior year and receive approximately $800 pay for the training.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at: [http://oeas.ucf.edu/ac/alc_students_coecs.htm](http://oeas.ucf.edu/ac/alc_students_coecs.htm)

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**UNIVERSITY OF CENTRAL FLORIDA**

**College of Engineering and Computer Science**

**Undergraduate Catalog 2012-2013**

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College of Health and Public Affairs
Dean: Michael L. Frumkin
HPA 365, 407-823-0171
http://www.cohpa.ucf.edu

Associate Dean, Academic Affairs and Technology:
Ronnie Korosec, HPA 365; 407-823-0171
Associate Dean, Research: Thomas Wan
HPA 219; 407-823-0170
Associate Dean, Student/Personnel Affairs: Melvin Rogers
HPA 365; 407-823-0171
Associate Dean: Pamela E. Kirby
HPA 365, 407-823-0171

The College of Health and Public Affairs houses seven departments and schools: the School of Social Work, 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 PhD 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
HPA 2 115, 407-823-0010
Email: hpainfo@ucf.edu

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

Programs and Degrees

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Department of Communication Sciences and Disorders

Chair: TBA
HPA 101, 407-823-4798
http://www.cohpa.ucf.edu/comdis

Clinic Director: Janet Whiteside
Research Pavilion Suite 155, 407-882-0468

Faculty: Barreneche-Doniger, Barrett, Carson, DiNapoli, Drellinger, B. Ehren, T. Ehren, Harvey, Hostetler, Kent-Walsh, Kong, Lieberman, Nye, Parsons, Ratusnik, Resnick, Rivers, Rosa-Lugo, Ruddy, Ryalls, Schwartz, Vanryckeghem, Whiteside

The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is pre-professional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathologists or audiology assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives. In addition to course work in communication sciences and disorders, the department offers an array of courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA)
PhD in Education, Communication Sciences and Disorders Track
Tracks: None

Minors: Communication Sciences and Disorders
Certificates: Language Development and Disorders

Department of Criminal Justice

Chair: Robert Langworthy
HPA 311 407-823-2603


The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. Criminal Justice is a problem-based field of study which focuses on the nature of crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service. The Criminal Justice Department offers diverse courses and internships, leading to careers in the field, or preparation for graduate study. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society.

Degrees: Criminal Justice (BA, BS, MS)
Tracks: None

Minors: Criminal Justice

Department of Health Management and Informatics

Chair: TBA
HPA 210; 407-823-2359

Faculty: Cortelyou-Ward, Douglass, Falen, Fottler, Liberman, Malvey, Masri, Noblin, D. Oetjen, R. Oetjen, Ramirez, Rotarius, Sumner, Unruh, Wan, West

The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

Program in Health Services Administration

The Bachelor of Science in Health Services Administration program is an upper-division professional curriculum that focuses on the managerial side of the health care industry. The program curriculum is designed to provide students with the necessary industry knowledge and job skills needed by entry-level managers in a variety of health care organizations. Program graduates are prepared for entry-level management positions in all types of health care organizations, including hospitals, ambulatory care centers, medical group practices, long-term care facilities, and home health care agencies. This program will also prepare students for study in advanced degrees in Health Services Administration or related disciplines.

The program attracts a diverse student population interested in health care management. Students without a background in the health care industry are attracted to this major and are able to build a foundation in health services administration in order to enter the industry. Some students who enter the program have clinical work experience such as respiratory therapists, emergency medical technicians, radiographers and medical laboratory technologists, while other students may hold an A.S. degree or a nationally recognized license.

The core requirements of the program have course work in areas such as health care systems, finance, administration, research, terminology, law, ethics and economics. In addition, students are encouraged to take additional elective courses that will enhance their background in the health care industry. Participation in an internship is also required. All core courses are offered as web-based as well as face-to-face.

The Bachelor of Science in Health Services Administration program is fully certified by AUPHA-The Association of University Programs in Health Administration.

Program in Health Informatics and Information Management

Health information managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Informatics and Information Management program is approved by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

The HIIM Program is a limited access program and requires a separate application to the program by March 1 of the year in which admission is sought. Graduates of the Health Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).
College of Health and Public Affairs

Department of Health Professions

Interim Chair: Kristen Schellhase
HPA2 118/119; 407-823-2214

Faculty: Angelopoulos, Hanney, Lylle, Pabian, Plant, Robinson, Rothschild, Rovito, Saleh, Schellhase, Shack-Dugre, Smith, Tucker, Worrell.

The Department of Health Professions offers a baccalaureate program in Athletic Training as well as in Health Sciences - Pre-Clinical Track.

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 12-15 credits per semester while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiency necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of an approved clinical instructor and certified athletic trainer. These local affiliation sites include high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to 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: physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences.

Degrees: Health Sciences (BS)
Tracks: Pre-Clinical
Minors: Health Sciences

Department of Legal Studies

Chair: James Beckman
HPA 343; 407-823-1670

Faculty: Bast, Beckman, Brown, Cook, Cronon, Flagg, Fromang, Kirby, Koblasz, Meltzer, Mion, Pons, Scott, Slaughter, Wood

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The Legal Studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Sciences in Legal Studies. The department houses Phi Alpha Delta, the Legal Studies professional society.

Degrees: Legal Studies (BA, BS)
Minor: Legal Studies

School of Public Administration

Director: Mary Ann Feldheim
HPA2 238; 407-823-2604

Faculty: Abels, Beitsch, Blessett, Bryer, Colby, Feldheim, Fisher, Hawkins, Hu, Jurie, Kapucu, Knox, Krick, Lawther, Littleton, Liou, Martin, Rogers, Smith, Sun, Wang

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. 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 enable students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master’s of Public Administration (MPA), the Master’s of Nonprofit Management (MNM), or the Master’s of Urban and Regional Planning (MSURP). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

Degrees: Public Administration (BA, BS, MPA, MNM, MRA, MSURP)

Tracks: None

Minors: Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Nonprofit Minor leading to National Certification by the Nonprofit Leadership Alliance

Certificates: Nonprofit Management

School of Social Work

Director: John Ronnau
HPA 204; 407-823-2114

Faculty: Abel, Buckey, Burg, Gammonley, Hall, Hazlett-Knudsen, Kohn, Lawrence, Leon, Mann, Mazzany, Molina, Ramos, Rothenberg, Steen, Walsh, Withers

The School of Social Work BSW Program (undergraduate social work program) prepares baccalaureate level students for entry level positions within diverse human service organizations. Today social workers are continuing their efforts in hospitals, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives. The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

The curriculum, nationally accredited by the Council on Social Work Education, aims to graduate social work generalists who can teach people how to create their own path and enhance their quality of life. Graduates will assist people in changing patterns of behavior, poverty, abuse, and oppression and help them to develop effective coping skills for life’s challenges. The Social Work Program is a limited access program that requires a separate application to the School of Social Work.

If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

Degrees: Social Work (BSW, MSW)

Tracks: None

Minors: Aging Studies

Certificates: Aging Studies, Children’s Services

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at: http://oeas.ucf.edu/alc/alc_students_cohpa.htm
College of Medicine

Vice-President for Medical Affairs and Dean: Deborah C. German
6850 Lake Nona Blvd., Suite 313, Orlando, FL 32827-7408
407-266-1000
http://www.med.ucf.edu

Associate Dean for Faculty and Academic Affairs and Interim Director, Burnett School of Biomedical Sciences: Richard Peppler
COM 313J; 407-266-1101

Assistant Dean, Undergraduate Medical Education: Jonathan Kibble
Assistant Dean, Undergraduate Medical Education: Lon Boardman
Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White

Associate Director of Facilities (Burnett School of Biomedical Sciences): Robert Genarro

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. BSBS additionally offers a B.S. in Biotechnology, B.S. in Medical Laboratory Sciences and graduate programs in Biomedical Sciences and Biotechnology. The College also offers an M.D. program at the new facilities that are an integral part of the growing medical city at Lake Nona. BSBS 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 2,550 undergraduate majors in the biomedical sciences including Biotechnology, Medical Laboratory Sciences, and Biomedical Sciences (also including the Biomedical Sciences Pre-professional concentration). BSBS also offers master’s degrees in Biomedical Sciences and in Biotechnology, as well as an interdisciplinary doctoral degree in Biomedical Sciences. The current graduate enrollment is approximately 120 masters and doctoral students. The 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 180 M.D. students.

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

Programs and Degrees

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<tr>
<td>Biomedical Sciences</td>
<td>B.S., M.S., Ph.D., Minor</td>
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<tr>
<td>Biomedical Sciences (Preprofessional Concentration)</td>
<td>B.S., M.S.</td>
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<td>Biotechnology</td>
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<tr>
<td>Medical Laboratory Sciences</td>
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</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.
Undergraduate Coordinator:
Program in Biotechnology

Goals
- Achieve excellence in medical and biomedical education
- Excel in research and discovery in biomedical science, medical education, and health care
- Provide outstanding individualized patient care while transforming health care delivery
- Be America’s leading partnership college of medicine
- Establish a diversified self-sustaining infrastructure to support future operations

Burnett School of Biomedical Sciences
Director: Pappachan Kolattukudy
BL 136; 407-823-1312; Fax: 407-823-0956
Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White
HPA2 335J; 407-823-5932; Fax 407-823-3096

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Biomedical Sciences (including the Biomedical Sciences, Preprofessional Coconetration) and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. BSBS also offers M.S. programs in Biomedical Sciences, and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advisement Office (PHPAO), 407-823-2670, to assist applicants with preparation for admission to professional schools in health sciences. At this time, the Burnett School has over 2,550 undergraduate students and approximately 120 graduate students. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, the Biomolecular Science Center, and the Pre-Health Professions Advisement Office.

Program in Biomedical Sciences
Undergraduate Coordinator: Dörlyn Hitchcock
BP 2 335A; 407-823-5932
Graduate Coordinator (M.S. program): Saleh Naser
BL 221; 407-823-0956

The core curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The Restricted Electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of morphological, clinical, analytical or investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

Degrees: Biomedical Sciences (B.S., M.S.) Biomedical Sciences Preprofessional Concentration (B.S.)
Tracks: None
Minors: Biomedical Sciences

Program in Biotechnology
Undergraduate Coordinator: Dörlyn Hitchcock
HPA2 335A; 407-823-5932
Graduate Coordinator: Saleh Naser
BL 221; 407-823-0956

To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree program prepares students to function in the industrial biotechnology/biomedical environment, providing them with more “hands on” laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

Degrees: Biotechnology (B.S., M.S., M.S./M.B.A.)
Tracks: None
Minors: None

Program in Medical Laboratory Sciences
Director: Dorilyn Hitchcock
HPA2 335A; 407-823-5932

Medical technologists are involved in medical diagnosis, patient treatment, health screening, laboratory management, research, and laboratory education. They use highly sophisticated analytical equipment for the examination of blood and body fluids.

The curriculum is designed to give students a thorough background in the physical and biological sciences; to develop the necessary laboratory skills and essential skills to assume leadership roles in management and education. It also prepares students in the development of a high level of proficiency in correlating clinical data.

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size to be selected is determined by the availability of space and equipment, as well as available spaces in the clinical facilities. The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st but applications will be accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS, 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119) and is approved as a training program by the State of Florida Board of Clinical Laboratory Personnel.

Degrees: Medical Laboratory Sciences (B.S.)
Tracks: None
Minors: None

Office of Student Services and Advisement (OSSA)
Assistant Director: Amanda Colee
HPA2 335A; 407-823-5932; Academic Advisor: Cynthia Contreras
HPA2 336; 407-823-5932; Academic Advisor: Ana Maria Schwindt
HPA2 337; 407-823-5932
Email: bcsinfo@ucf.edu

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

Pre-Health Professions Advisement Office
Director: Genaro Lopez
HPA 124; 407-823-2670

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

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at:
http://oeas.ucf.edu/alp/alc_students_bobhs.htm
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 needs. The faculty of the college values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master’s and doctoral levels.

Today’s challenging health care environment provides unique opportunities for nursing. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research, and influence policy.

The mission of the College of Nursing is to offer high quality undergraduate and graduate academic programs designed to prepare nurses to practice in a continuously changing health care environment; to provide innovative access to education and research; to develop nurse clinicians, leaders and scholars who promote the health of diverse populations in local, national and global communities; and to touch lives lead by example and make a difference through clinical excellence, research and community service.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate degree, the basis for professional nursing practice. The program includes comprehensive clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing. The RN to BSN track offers registered nurses with an associate degree or diploma an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. RNs may submit applications during any semester.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a bachelor’s degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research.

The Doctor of Nursing Practice (DNP) prepares nurse clinicians and nurse practitioners for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice: flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN, MSN, DNP, and PhD programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)
Tracks: RN to BSN, Basic BSN, Accelerated BSN degree, ASN to BSN Concurrent, AS to BSN, RN to MSN
Minors: None

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

Programs and Degrees
Major Degree
Nursing BSN, MSN, PhD, DNP

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oeas.ucf.edu/alc/alc_students_con.htm
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh
CROL 206; 407-823-6800
Email: info@creol.ucf.edu
http://www.creol.ucf.edu

The College of Optics and Photonics is a graduate school for research and education in optics, lasers, and photonics. CREOL (Center for Research and Education in Optics and Lasers), FPCE (Florida Photonics Center of Excellence), and the Townes Laser Institute (TLI) are research centers within the College, but CREOL predates the College by many years and we are best known internationally under this name. CREOL was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida’s high technology-based industries.

CREOL, FPCE, and TLI are the research arms of the College, which offers Masters (MS) and Doctoral (Ph.D.) Degrees in Optics. CREOL has become an internationally recognized institute with 43 faculty members, 69 Ph.D. level research scientists, and 146 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $45 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program.

The research activities span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, quantum optics, and light-matter interaction. These programs are supported by over $11 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $22,000 to $28,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 60 members, provides industry with benefits of ready access to cutting-edge research and to the expertise and facilities of the College. Faculty members also team with small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.
The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics; the Nicholson School of Communication; and the National Center for Forensic Science. The College is responsible for all programs in the sciences and the departments collectively offer 64 undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs. For information concerning graduate programs, please refer to the Graduate Catalog: http://graduate.ucf.edu/currentGradCatalog/

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major.

Preprofessional Programs

Prelaw Program

Prelaw Advisor: Roger Handberg
PH 302; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that applicants take the Law School Admission Test (LSAT), careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

Prehealth Professions

The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional Concentration for additional information.

Advisement

College of Sciences, Academic Services (COSAS)
Director of Undergraduate Services: Lee Anne Kirkpatrick
CSB 250; 407-823-6131
Email: cosas@mail.ucf.edu
http://undergrad.cos.ucf.edu/

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COS students will have at least two primary advisors, one within COSAS and one within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our website.

Programs and Degrees

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<tr>
<td>Advertising-Public Relations</td>
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<tr>
<td>Anthropology</td>
<td>MA, Minor</td>
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<td>Anthropology in Multicultural Studies</td>
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<tr>
<td>Astronomy</td>
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<td>Behavioral Forensics</td>
<td>Certificate</td>
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<tr>
<td>Biology</td>
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<tr>
<td>Biology-Pre Health Professional Biomedical Sciences</td>
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<td>Communication</td>
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<td>Conservation Biology</td>
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<td>Biochemistry</td>
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<td>Data mining</td>
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<td>Diplomacy</td>
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<td>Diversity &amp; Social Inequality</td>
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<td>Forensic Science</td>
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<td>International &amp; Global Studies</td>
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<td>Interpersonal/Organizational Communication</td>
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<td>Journalism</td>
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<td>Mass Culture &amp; Collective Behavior</td>
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<td>North American Indian Studies</td>
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<td>Physics</td>
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<td>Political Science-Pre Law</td>
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<td>Psychology</td>
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<td>Radio-Television</td>
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<tr>
<td>Social Sciences Interdisciplinary</td>
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<td>Sociology</td>
<td>BA, MA, PhD, Minor</td>
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<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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Department of Chemistry
Chair: Kevin D. Belfield
CH 117; 407-823-2246
Email: chemstaf@mail.ucf.edu
http://chemistry.cos.ucf.edu/

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

Faculty: Ballantyne, Belfield, Blair, Campiglia, Clausen, Dauodi, Dixon, Elsheimer, Frazier, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kolpakshikov, Kuebler, Kujawa, Liao, Mattson, Miles, Miller, Patino, Richardson, Sigman, Ye, Zu

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 undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)
Tracks: Chemistry, Biochemistry, Forensic Analysis, Forensic Biochemistry
Minors: Chemistry

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

Assistant Director: Boyd Lindsley
NSC 240A; 407-823-6757

Nicholson Academic Student Services Center (NASSC)
NSC 143; 407-823-2681;
Email: nassc@mail.ucf.edu


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

1. Advertising-Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.

2. Interpersonal-Organizational Communication: Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with other human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.

3. Journalism: Provides knowledge of theory and skills needed for careers as a journalist (newspapers, magazines, broadcast, and online forms of mass communication).

4. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-television, including content creation, media production, broadcast journalism, media management and programming/promotions in a broadcast, cable online or corporate environment.
Facilities
The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television program has fully-equipped audio and video production facilities, a complete multi-camera television studio, an online radio station and laboratories for interactive multimedia. The Journalism program has a computer writing and media lab. The Advertising-Public Relations program has a computer writing and media lab. The Interpersonal-Organizational (I-O) Communication program has a presentation speaking classroom equipped for audio/video record/playback and computerized visual presentation. The I-O program also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

Degrees: Advertising-Public Relations (BA), Communication (MA), Interpersonal-Organizational Communication (BA), Journalism (BA), Radio-Television (BA)

Specializations: Broadcast Journalism, Production, Broadcast Generalist

Minors: Journalism Studies, Interpersonal-Organizational Communication, Magazine Journalism, Mass Communication

Department of Mathematics
Chair: Piotr Mikusinski
MAP 209; 407-823-2826
Email: math@mail.ucf.edu
http://math.ucf.edu

Associate Chair/Undergraduate Coordinator: Joseph P. Brennan
MAP 215A; 407-823-5700

Faculty: Brennan, Cannon, Carlson, Capursi, Choudhury, Dunlop-Pyle, Dutkay, Griffiths, Han, Higgins, Isla, Ismail, Kassab, Katsevich, Kaup, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Negron, Nevali, Pensky, Plemmons, Qi, Reid, Richardson, Rolls, Ronkese, Schober, Schweitzer, Shah, Shivamoggi, Skripka, Song, Sun, Swanson, Tamasan, Tobis, Vajravelu, Wocjan, Yong, Young, Zhao, Zinchenko

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
Minors: Mathematics

Department of Physics
Chair: Talat Rahman
PS 430A; 407-823-5785
Email: physics@ucf.edu
http://physics.cos.ucf.edu/

Associate Chair: Jordan Colwell
PS 434; 407-823-2012

Faculty: Al-Rawi, Bhattacharya, Bindell, Britt, Brueckner, Campins, Chang, Chen, Chernyak, Chini, Chow, Colwell, Cooney, Del Barco, Dubey, Eftimion, Fernandez, Flissiyani, Harrington, Heinrich, Ishigami, Johnson, Kara, Khodaker, Klemm, Kokoouline, Leuenberger, Luo, Martin, Montgomery, Mucciolo, Peale, Rahman, Roldan-Cuenya, Saha, Schelling, Schulte, Stolbov, Tatulian, Tonner, Velissaris, Zhmudsky; Faculty Emeritus: Bose, Brennan, Llewellyn; Distinguished Professor: Liboff

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions that are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department’s research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanotechnologies, 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, Optics & Lasers, Computational Physics, and Astronomy)
Minors: Astronomy, Physics

Department of Political Science
Chair: Kerstin Hamann
PH 302; 407-823-2608
Email: politics@ucf.edu
http://politics.cos.ucf.edu/

Associate Chair: Barbara Kinsey
PH 302; 407-823-2608


The Department of Political Science seeks to:
1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where 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:
The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, information management specialist, and research analyst.

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

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

Tracks: Domestic Violence (MA)

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

Department of Sociology

Chair: Jana Jasinski
PH 403B; 407-823-3744
http://sociology.ucf.edu/

Associate Chair: D. Gay

Faculty: Anthony, Canan, Sc, Carter, Sh. Carter, Cook, Corzine, Donley, Ford, Gay, Grauerholz, Huff-Corzine, Jasinski, Loree, Lynxwiler, Mustaine, Pals, Reckdenwald, Rivera, Sikorska-Simmons, Warren, Wright

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today’s employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, healthcare, and changes in the family.

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

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

Tracks: Domestic Violence (MA)

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

Bachelor of Applied Science
Interim Vice Provost and Dean: Elliot Vittes
MH 218; 407-823-2373
http://www.regionalcampuses.ucf.edu/bas/

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

Office of Experiential Learning
Director: Sheri Dressler
CSEL 300; 407-823-2667
http://www.explearning.ucf.edu/

This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty teach co-op and internship courses, facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, compile 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. Our primary goal is to ensure that students have access to and include experiential learning courses in their academic programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.
McNair Scholars Program
Director: Michael Aldarondo-Jeffries
CC2 221; 407-823-1815
http://mcnair.ucf.edu/

The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates, prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies
Director: Michael Hampton
CL1 302; 407-823-0144
Email: is@mail.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Jessica Cheatwood-Alvarez, Jessica Simmons, Marcelle Turner, Peter Wallace

The Interdisciplinary Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study with professional advising and courses from across the university. The degree includes three different tracks from which to choose. There are also three minors and two certificate programs.

Degrees: Interdisciplinary Studies (BA, BS, MA, MS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women’s Studies
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism

Office of Pre-Professional Advising (OPPA)
Director: Bernard Mackey
FC 203: 407-823-3033
http://www.oppa.ucf.edu/

The Office of Pre-Professional Advising (OPPA) provides guidance and support to students interested in pursuing careers in the health and legal professions. OPPA provides information about the field of law and a wide variety of health-related fields such as allopathic (M.D.), osteopathic (D.O.), and veterinary (D.V.M.) medicine, dentistry, pharmacy, optometry, podiatry, chiropractic, physician assistant, physical therapy, occupational therapy, and public health. These careers require academic study in professional school settings beyond the baccalaureate degree, and OPPA assists “Pre-Professional” Students in any undergraduate major by offering academic advising, administrative support, and other activities related to preparing for and applying to professional schools. OPPA’s primary goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

Research and Mentoring Program
Director: Michael Aldarondo-Jeffries
CC2 221; 407-823-1815
http://ramp.ucf.edu/

The Research and Mentoring Program (RAMP) prepares students for entry into graduate and professional school. Through involvement in research projects and working with faculty mentors, the program provides a supportive educational environment for students. In addition, the students participate in a variety of workshops designed to increase their awareness and knowledge of the graduate and professional school application process. Students from underrepresented groups and first-generation/low-income students are strongly encouraged to apply.

Office of Undergraduate Research
Director: Kimberly Schneider
CC2 209; 407-823-3125
http://www.our.ucf.edu/

UCF offers numerous opportunities for undergraduates to pursue research in various disciplines with the guidance of a faculty mentor. This intensive research opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. Examples of programs the office administers are: the undergraduate research showcase, the undergraduate research journal, a workshop series, and a student council.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www.oelas.ucf.edu/alc/alc_students_us.htm
Rosen College of Hospitality Management
Dean: Abraham Pizam
9907 Universal Boulevard, Suite 231-H Orlando, FL 32819; 407-903-8000
http://www.hospitality.ucf.edu

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

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

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

The hospitality industry represents the second largest employer in the
United States and is the major part of the rapidly growing services
sector of the economy. Because of its unique location in the premier
tourist destination in the world, the Rosen College of Hospitality
Management is ideally situated to prepare students for leadership
careers in the hospitality industry. Whether the student is interested in
entering lodging, food service, travel and tourism, financial manage-
ment and technology, theme parks, vacation ownership resorts, golf
management, or event management, the Orlando and Central Florida
area offers extraordinary opportunities.

It is the destination for over 49 million tourists each year, has over 400
hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks
and attractions. The industry employs a half million people in the State
of Florida and many are in the Central Florida area.

The educational mission of the College is to provide students with the
knowledge, skills, and ability to identify opportunities and challenges
in the hospitality industry, and to apply creative decision techniques in
responding to those opportunities.

The curriculum is designed to prepare students for a broad range of
managerial roles across the hospitality industry. It provides both aca-
demic preparation and practical experiences that students will need
to enter and succeed in a hospitality management career. Students
also have the opportunity to experience the work world in hospitality
through an internship requirement and through extensive contact with
leading hospitality managers in the Central Florida area. There are
three undergraduate degrees offered.

The College also houses the Linda Chapin Eminent Scholar Chair
in Tourism Management and the Dick Pope Sr. Institute for Tourism
Studies which was created and funded by the travel and tourism
industry in Central Florida. The Institute conducts research and gath-
ers information that helps the entire Orlando area hospitality industry
better understand and serve its many guests from around the world.

The Center for Multi-Unit Restaurant Management and the Darden
Eminent Scholar Chair in Restaurant Management provide a unique
focus in the curriculum on corporate restaurant management. Students
have access through the Center to leading restaurant industry execu-
tives. This academic unit is an integral part of the Rosen College of
Hospitality Management.

Distinctive Benefits

- A state-of-the-art facility located in the heart of the tourism district
  in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the
  premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area
  hospitality industry.
- A large number of scholarships made available through the
  generous support of the industry.
- Outstanding faculty from 17 different countries.
- A faculty committed to continuously improving their knowledge
  of the hospitality industry as well as their ability to teach that
  knowledge to their students.
- A required work experience that provides students with practical
  experiences in the hospitality industry.
- Outstanding opportunities for internships.
- A modern food production laboratory and teaching restaurant
  completely equipped to provide students with experience in food
  preparation.
- Multiple endowed chairs and professorships.

Degrees:
- Event Management (BS), Hospitality Management (BS)
- Restaurant and Food Service Management (BS)

Tracks:
- Theme Park and Attraction Management;
- Golf and Club Management

Minor:
- Hospitality Management

Program Academic Learning Compacts (student learning outcomes) for
undergraduate programs in the Rosen College of Hospitality Management
are located at: http://oeas.ucf.edu/alcalc_students_rhm.htm
### UCF DEGREE PROGRAMS

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<td>Music - Jazz Studies Track</td>
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<td>Music - Music Composition Track</td>
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<tr>
<td>Early Childhood Development and Education Track 2: Early Childhood Development</td>
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<td>Economics</td>
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<td>Environmental Engineering</td>
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<td>Event Management</td>
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<td>Film - B.F.A.</td>
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<td>Finance</td>
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<td>Restaurant and Foodservice Management</td>
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<td>Science Education - Biology</td>
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<td>Science Education - Chemistry</td>
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Accounting (B.S.B.A.)
College of Business Administration
Kenneth G. Dixon School of Accounting, Business
Administration II, Room: 101
http://www.bus.ucf.edu
Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the General Education program and Gordon Rule, or an AA Degree from a Florida Public Community College, or a Florida Public University prior to admission to this degree.
- See Common Program Prerequisites.

Degree Requirements
- Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have a “C” (2.0) or better in each common program prerequisites class.
- A minimum grade of “C” (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
- Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in the subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admitance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the College of Business and in the accounting major.
- A grade of “C-” (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

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

A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Required CGS 2100C Computer Fundamentals for Business
Prefer MAC 1105C College Algebra

D: Social Foundations (6 hrs)
Select 1:

Suggested ECO 2013 Principles of Macroeconomics
Suggested ECO 2023 Principles of Microeconomics

Select one of the following sequences of courses:

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)

1. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:

ECO 3401 Quantitative Business Tools I 3 hrs
or
MAC 2233 Concepts of Calculus and 3 hrs
STA 2023 Statistical Methods I and 3 hrs
Students must receive a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

2. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (32 hrs)
First or subsequent semester in the College of Business Administration:

1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
GEB 3375 Introduction to International Business 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3223 Marketing 4 hrs
MAR 3203 Supply Chain and Operations Management 4 hrs

1 Must be taken in 1st or 2nd semester.

Required courses for major: 24 hrs

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

5. Restricted Electives
- None

6. Capstone Requirements (4 hrs)
MAN 4720 Strategic Management 4 hrs

This course is taken in the graduating term and requires the following prerequisites:
FIN 3403C Business Finance 4 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
MAN 3025 Management of Organizations 4 hrs
MAR 3223 Marketing 4 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None
UCF Degree Programs

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 120

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

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

Take all of the following sequences:
- ACG 4903H Honors Directed Reading I or 3 hrs
- ACG 4904H Honors Directed Reading II 3 hrs
- ACG 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- None

Certificates
- None

Related Minors
- None

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

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

Acceptable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting 3 hrs
- may be substituted with:
  - ACG 2001 and ACG 2011

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult-Hist I* 3 hrs
- Psy/Ant/Soc Science 3 hrs
- ACG 4903H Honors Directed Reading I 3 hrs

Freshman Year - Spring
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- Cult-Hist II* 3 hrs
- Science 3 hrs
- ACG 4904H Honors Directed Reading II 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- BUL 1130 Legal and Ethical Environment of Business 4 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3031L Cornerstone: Professional Skills for Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs

Junior Year - Fall
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MAR 3203 Supply Chain and Operations Management 4 hrs

Junior Year - Spring
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- GEB 3375 Introduction to International Business 4 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs

Senior Year - Fall
- ACG 3381 Cost Accounting I 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- FIN 3403C Business Finance 4 hrs
- MAN 3025 Management of Organizations 4 hrs

Senior Year - Spring
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4651 Auditing 3 hrs
- ACG 4803 Contemporary Issues in Accounting 3 hrs
- MAN 4720 Strategic Management 4 hrs

Footnotes:
- *Cult-Hist I and II are 3 hrs each.
- †This course may be substituted with similar courses as approved by the major coordinator for coursework and/or term hours necessary for completion of the major.

Note: Acceptable substitutes for transfer courses may be approved by the School of Accounting and the Major Coordinator for the School of Accounting and Finance. See the catalog for each course taken at community colleges which is not acceptable for transfer to UCF.
Advertising-Public Relations (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Admission Requirements
- Students should apply to become Advertising - Public Relations majors only after completing all requirements for admission.
- Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
- The student’s GPA is a major component of the admission criteria.
- The admission GPA will be calculated using all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
- Pass a grammar proficiency exam administered by UCF’s Testing Center, unless the student has qualifying AP or IB scores, or a “B” is earned in both freshman GEP English classes.
- Contact NSC Advising for specifics of admission criteria.
- Students must receive a positive evaluation by the Nicholson School of Communication.
- Students must successfully complete, or be enrolled in, the following courses before applying:

Complete the following: 6 hrs
- ADV 3008 Principles of Advertising and Research 3 hrs
- PUR 4000 Public Relations 3 hrs

Application Deadlines:
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- 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 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, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).

To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hour may be taken within the Nicholson School of Communication.

Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.

A maximum of three credit hours of internship may be earned in one semester.

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
- Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
- Required SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Select one course from group B 2. 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
- May substitute a higher level math with appropriate scores on the Math Placement Exam. 3 hrs

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

D: Social Foundations (6 hrs)
- Economics 3 hrs
- Required ECO 2013 Principles of Macroeconomics or 3 hrs
- Required ECO 2023 Principles of Microeconomics or 3 hrs

Social Sciences 3 hrs
- Required ANT 2000 General Anthropology or 3 hrs
- Required PSY 2012 General Psychology or 3 hrs
- Required SYG 2000 Introduction to Sociology 3 hrs

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 3 hrs
- ECO 2023 Principles of Microeconomics or 3 hrs

Select either Speech course:
- SPC 1608 Fundamentals of Oral Communication or 3 hrs
- SPC 1603 Fundamentals of Technical Presentations or 3 hrs

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
- ADV 3008 Principles of Advertising and Research 3 hrs
- PUR 4000 Public Relations 3 hrs
UCF Degree Programs

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 or GEP/CPP

Complete either speech class:
SPC 1608 Fundamentals of Oral Communication or GEP/CPP
SPC 1603 Fundamentals of Technical Presentations or GEP/CPP

Complete either statistics class:
STA 2014C Principles of Statistics or GEP
STA 2023 Statistical Methods I or GEP

4. Core Requirements: Advanced Level (21 hrs)

Complete after admission to the program:
ADV 4101 Advertising Copywriting 3 hrs
MMC 3420 Mass Media Research Methods 3 hrs
MMC 3200 Mass Communication Law 3 hrs
MMC 4411 Ad-PR Campaigns 3 hrs
MMC 3630 Social Media as Mass Communication 3 hrs
PUR 3100 Writing for Public Relations 3 hrs

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

5. Restricted Electives (12 hrs)
Select from the following after admission to the program:
ADV 4103 Radio-Television Advertising 3 hrs
ADV 4300 Advertising Media Planning 3 hrs
COM 3110 Business and Professional Communication 3 hrs
JOU 4700 Journalism Ethics 3 hrs
PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
PUR 4203 PR/Advertising Ethics and Law 3 hrs
PUR 4400 Crisis Communication 3 hrs
PUR 4110C Public Relations Publications 3 hrs
PUR 4801 Public Relations Case Studies 3 hrs

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

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

7. Foreign Language Requirements Admissions
Met by graduation requirement.

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

Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
Select primarily from upper level courses, with school advisor's approval. Must be from outside of the 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 65 hour Liberal Arts requirement.

9. Additional Requirements
None

10. Required Minors
None required. However if a minor desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements
To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
Achieve an overall "C" GPA (2.0) in Nicholson School of Communication courses used to satisfy the major.

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

Total Semester Hours Required
120

Honors In Major
None

Related Programs
Marketing
Certificates
None

Related Minors
NOTE: Minors taught within the Nicholson School of Communication are not open to Ad-PR majors.

Business
Digital Media
Writing and Rhetoric
Hospitality Management
Marketing
Political Science
Psychology
Sociology

Advising Notes
Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
Lower division courses taken at community colleges do not substitute for upper division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
None

Plan of Study
One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 13 hrs
ENC 1101 Composition I 3 hrs
Foreign Language 4 hrs
GEP Math 3 hrs
GEP 3 hrs

Freshman Year - Spring 13 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
ENC 1102 Composition II 3 hrs
STA 2014C Principles of Statistics 3 hrs
Foreign Language 4 hrs

Sophomore Year - Fall 15 hrs
ADV 3008 Principles of Advertising 3 hrs
GEP- Economics 3 hrs
GEP 3 hrs
GEP 3 hrs
Elective-take outside of NSC 3 hrs

Sophomore Year - Spring 15 hrs
Elective-take outside of NSC 3 hrs
PUR 4000 Public Relations 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
Apply to the program
Junior Year - Fall  15 hrs
Apply to program by Oct 1.
MMC 3420  Mass Media Research Methods  3 hrs
MMC 3630  Social Media as Mass Communication  3 hrs
Elective-take outside of NSC  3 hrs
Elective-take outside of NSC  3 hrs
Elective-take outside of NSC  3 hrs

Junior Year - Spring  15 hrs
If admitted, take the following:
PUR 3100  Writing for Public Relations  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Elective-take outside of NSC  3 hrs
Elective-take outside of NSC  3 hrs

Junior Year - Summer  9 hrs
Internship  3 hrs
Elective-take outside of NSC  3 hrs
Elective-take outside of NSC  3 hrs

Senior Year - Fall  13 hrs
ADV 4101  Advertising Copywriting  3 hrs
Restricted Elective  3 hrs
Elective-take outside of NSC  4 hrs
Elective-take outside of NSC  3 hrs
Graduation Review

Senior Year - Spring  12 hrs
MMC 4411  Ad-PR Campaigns  3 hrs
Restricted Elective-Internship  3 hrs
Free Elective-take outside of NSC  3 hrs
Free Elective-take outside of NSC  3 hrs

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

Equipment Fees
■ Part-Time Student: $22 per term
■ Full-Time Student: $44 per term

Aerospace Engineering (B.S.A.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering 1, Room: 307
http://www.mmae.ucf.edu

Email: mmaeugrad@ucf.edu
Dr. Kuo-Chi Lin, Kurt.Lin@ucf.edu, 407-823-0137
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-2416

Admission Requirements
■ Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
■ Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
■ None
1. UCF General Education Program (GEP)  (38 hrs)
■ UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring

A: Communication Foundations  (9 hrs)
Required  ENC 1101  Composition I  3 hrs
Required  ENC 1102  Composition II  3 hrs
Select 1:  3 hrs
Prefer  SPC 1603  Fundamentals of Technical Communication  3 hrs
Suggested  SPC 1608  Fundamentals of Oral Presentations or

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  4 hrs
Required  MAC 2311C  Calculus with Analytic Geometry  4 hrs

D: Social Foundations  (6 hrs)
Select 1:  3 hrs
Prefer  ECO 2013  Principles of Macroeconomics or
Prefer  ECO 2023  Principles of Microeconomics  3 hrs
Select one class from Social Foundations  3 hrs

E: Science Foundations  (7 hrs)
Suggested  PHY 2048C  Physics for Engineers & Scientists I  4 hrs
Suggested  PHY 2049C  Physics for Engineers and Scientists II  4 hrs
Select one class from Science Foundations  3 hrs

2. Common Program Prerequisites (CPP)  (19 hrs)
■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2.
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
1  MAC 2311C  Calculus with Analytic Geometry I
2  MAC 2312  Calculus with Analytic Geometry II
3  MAC 2313  Calculus with Analytic Geometry III
4  MAP 2302  Ordinary Differential Equations
5  PHY 2048C  Physics for Engineers & Scientists I
6  PHY 2049C  Physics for Engineers and Scientists II

Select 1:  4 hrs
1  CHS 1440  Fundamentals of Chemistry for Engineers  4 hrs
2  CHM 2040  Chemistry Fundamentals I or
3  CHM 2041  Chemistry Fundamentals II  3 hrs

3. Core Requirements: Basic Level  (2 hrs)
■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.
1  EGN 1006C  Introduction to the Engineering Profession  1 hr
2  EGN 1007C  Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level  (51 hrs)
1  EGN 3310  Engineering Analysis-Statics  3 hrs
2  EGN 3343  Thermodynamics  3 hrs
3  EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
4  EGN 3373  Principles of Electrical Engineering  3 hrs
UCF Degree Programs

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  3 hrs
Systems
EML 3034C  Modeling Methods in Mechanical and Aerospace Engineering  3 hrs
EGM 3601  Solid Mechanics  3 hrs
EML 3217  Engineering Mechanics - Dynamics  3 hrs
EML 4225  Introduction to Vibrations and Controls  3 hrs
EML 3701  Fluid Mechanics I  3 hrs
EML 4142  Heat Transfer  3 hrs
EAS 4200  Analysis & Design of Aerospace Structures  3 hrs

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://mmae.ucf.edu/Academics/undergraduate.html

6. Capstone Requirements  (6 hrs)

- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
Select 1:
EAS 4700C  Aerospace Design I or 3 hrs
EGN 4412C  Interdisciplinary Design I  3 hrs

Select 1:
EAS 4710C  Aerospace Design II or 3 hrs
EGN 4413C  Interdisciplinary Design II  3 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 25% of course work must be in residency at UCF.

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

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- Double Degree/Double Major requirements listed under college section of the catalog.

Career and Academic Advising
- The department requires all students in the program to meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
EAS 3990  Aerospace Career and Academic Faculty  0 hrs
EAS 4991  Aerospace Career and Academic Faculty  0 hrs

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses 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 degrees 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
EGN 1006C  Introduction to the Engineering Profession  1 hr
ENC 1101  Composition I  3 hrs
MAC 2311C  Calculus with Analytic Geometry I  4 hrs

Select 1:
1 CHS 1440  Fundamentals of Chemistry for Engineers or 4 hrs
CHM 2045C  Chemistry Fundamentals I or 4 hrs
CHM 2040  Chemistry Fundamentals IA or 3 hrs
CHM 2041  Chemistry Fundamentals IB  3 hrs

Freshman Year - Spring  15 hrs
EGN 1007C  Engineering Concepts and Methods  1 hr
ENC 1102  Composition II  3 hrs
MAC 2312  Calculus with Analytic Geometry II  4 hrs
PHY 2048C  Physics for Engineers & Scientists I  4 hrs

Select 1:
SPC 1603  Fundamentals of Technical Presentations or 3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs

Freshman Year - Summer  10 hrs
MAC 2313  Calculus with Analytic Geometry III  4 hrs
EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
GEP  3 hrs

Sophomore Year - Fall  13 hrs
MAP 2302  Ordinary Differential Equations I  3 hrs
PHY 2049C  Physics for Engineers and Scientists II  4 hrs
EGN 3310  Engineering Analysis-Statics  3 hrs
STA 3032  Probability and Statistics for Engineers  3 hrs

Sophomore Year - Spring  12 hrs
EML 3217  Engineering Mechanics - Dynamics  3 hrs
EGN 3343  Thermodynamics  3 hrs
EGN 3373  Principles of Electrical Engineering  3 hrs
EGM 3601  Solid Mechanics  3 hrs

Sophomore Year - Summer  9 hrs
GEP  3 hrs
GEP  3 hrs
## Equipment Fees

www.oeas.ucf.edu/alc/academic_learning_compacts.htm

## Program Academic Learning Compacts

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

## 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

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## Anthropology (B.A.)

### College of Sciences

#### Department of Anthropology, Philips Hall, Room: 309

http://www.cos.ucf.edu/anthropology

Dr. John Schultz, jschultz@ucf.edu

Phone: 407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations in Central America and the Caribbean.

#### 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

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## UCF Degree Programs

- 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 1105 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.

### 2. Social Foundations (6 hrs)

- Required ANT 2000 General Anthropology 3 hrs
  - Select from GEP D.1 list 3 hrs

### 3. Science Foundations (6 hrs)

- Required ANT 2511 The Human Species 3 hrs
  - Select from GEP E.1 list 3 hrs

### 2. Common Program Prerequisites (CPP)

- See Transfer Notes for possible substitutes
- See "Common Prerequisites" in the Transfer and Transitions Services section

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

- Core-Required, also satisfy the CPP
  - ANT 2000 General Anthropology and GEP 3 hrs
  - ANT 2511 The Human Species and GEP 3 hrs

### Core-Additional requirements (6 hrs)

- ANT 2410 Archaeology and the Rise of Human Culture and 3 hrs
  - ANT 2410 Cultural Anthropology 3 hrs

### 5. Restricted Electives (21 hrs)

- Area Study 3 hrs
  - Select from the following courses:
    - ANT 3146 Life and Death in Ancient Egypt 3 hrs
    - ANT 3152 Indians of the Southwest 3 hrs
    - ANT 3158 Florida Archaeology 3 hrs
    - ANT 3160 Americas Before Columbus 3 hrs
    - ANT 3161 Archaeology of Mexico 3 hrs
    - ANT 3163 Mesoamerican Archaeology 3 hrs
    - ANT 3164 Ancient Incas 3 hrs
    - ANT 3165 Archaeology of South America 3 hrs
    - ANT 3166 Maya Archaeology 3 hrs
    - ANT 3177 Archaeology of 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 Anthropology of Diaspora 3 hrs
    - ANT 3344 Puerto Rican Culture 3 hrs
    - ANT 3362 Peoples of Southeast Asia 3 hrs
    - ANT 3363 Anthropology of Japan 3 hrs
    - ANT 4153 North American Archaeology 3 hrs
    - ANT 4332 People and Cultures of Latin America 3 hrs
    - ANT 4340 Caribbean Cultures 3 hrs
    - ANT 4352 African Societies and Cultures 3 hrs
UCF Degree Programs

Restricted Electives  18 hrs
- Select additional Anthropology courses; these may include other area study courses or any other Anthropology courses that may be offered (see below).
  ANT 2511L Physical Anthropology Lab  1 hr
  ANT 3026 Mummies, Zombies, and Vampires: Anthropology of the Undead  3 hrs
  ANT 3943 Caribbean Archaeology Practicum  3 hrs
  ANT 3106 Archaeology and Popular Culture  3 hrs
  ANT 3115 Archaeological Method and Theory  3 hrs
  ANT 3142 Old World Prehistory  3 hrs
  ANT 3173 Archaeology of Sex  3 hrs
  ANT 3212 Peoples of the World  3 hrs
  ANT 3241 Magic, Ritual, and Belief  3 hrs
  ANT 3245 Native American Religions  3 hrs
  ANT 3262 Rural Society  3 hrs
  ANT 3273 Law and Culture  3 hrs
  ANT 3302 Sex, Gender and Culture  3 hrs
  ANT 3330 Cultural Ecology of Amazonia  3 hrs
  ANT 3393 American Indian Literature and Culture in Florida  3 hrs
  ANT 3398 Black/Seminole Relations  3 hrs
  ANT 3450 Living in the USA: Anthropological Perspectives  3 hrs
  ANT 3541 Biobehavioral Anthropology  3 hrs
  ANT 3550C Primatology  3 hrs
  ANT 3701 Applied Anthropology  3 hrs
  ANT 3949 Cooperative Education in Anthropology  0 hrs
  ANT 3955 Study Abroad  3 hrs
  ANT 4027 Mummies, Life After Death  3 hrs
  ANT 4013 Anthropological Perspectives on Fast Food  3 hrs
  ANT 4180C Seminar in Laboratory Analysis  3 hrs
  1 ANT 4183 Archaeological Sciences  3 hrs
  1 ANT 4184 Mortuary Archaeology  3 hrs
  ANT 4266 Economic Anthropology: Production, Consumption, and Exchange  3 hrs
  1 ANT 4303 Anthropology of Tourism  3 hrs
  ANT 4408 Culture, Disease, and Healing  3 hrs
  ANT 4462 Medical Anthropology  3 hrs
  1 ANT 4467 Nutritional Anthropology  3 hrs
  ANT 4516 Human Biological Diversity  3 hrs
  ANT 4521 Forensic Anthropology  3 hrs
  ANT 4525C Human Osteology  4 hrs
  ANT 4560 Anthropological Perspectives on Human Growth  3 hrs
  1 ANT 4702 Culture, Power and Development  3 hrs
  ANT 4802 Ethnographic Field Methods  3 hrs
  ANT 4824 Advanced Archaeological Fieldwork  9 hrs
  ANT 5166 Problems in Maya Studies  3 hrs
  ANT 5167 Maya Hieroglyphs  3 hrs
  ANT 5228 Maya Iconography  3 hrs
  ANT 5622 Language, Culture and Pedagogy  3 hrs
  ANT 5742 Problems in Forensic Anthropology  3 hrs
  ANT 5822 Maya Field Research  3 hrs

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

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or two semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A grade of “C” (2.0) or better in all courses used for the major.
- Students will be required to take a standard exit exam.

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Social Sciences
- Sociology

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- International and Global Studies
- Judaic Studies
- Latin American Area Studies
- Medical Anthropology
- Medical Sociology
- Sociology
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Although any ANT course satisfies the CPP, the specified courses are required in the core and must be taken regardless.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- 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

Freshman Year - Spring
- ANT 2511 The Human Species  3 hrs
- ENC 1102 Composition II  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- GEP  3 hrs

Sophomore Year - Fall
- ANT 2140 Archaeology and the Rise of Human Culture  3 hrs
- ANT 2410 Cultural Anthropology  3 hrs
- Restricted Elective  3 hrs
GEP 3 hrs
Free Elective 3 hrs

Sophomore Year - Spring 15 hrs
- ANT 3610 Language and Culture 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall 15 hrs
- ANT 3145 Archaeology of Complex Societies 3 hrs
- Restricted Elective 3 hrs
- Foreign Language 4 hrs
- Elective / Minor 2 hrs
- Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
- ANT 4034 History of Anthropological Thought 3 hrs
- Restricted Elective 3 hrs
- Foreign Language 4 hrs
- Elective / Minor 3 hrs
- Elective / Minor 2 hrs

Senior Year - Fall 15 hrs
- ANT 4586C Human Origins 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs

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

Architecture (B.Des.)
College of Arts and Humanities
School of Visual Arts and Design
(This program is offered at UCF at the Valencia West Campus)

http://architecture.ucf.edu/

John Maudlin-Jeronimo, Program Director, 407-582-5500

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 Community College and the University of Florida, as part of a 2+2+2 program to enable students to complete an NAAB accredited architectural program in Central Florida. Note: Architecture (B.Des.) majors must have continual access to a computer. Contact the Architecture advising office (407-582-5500) for the minimum hardware and software specifications.

Admission Requirements
- Completion of an Associate of Arts (A.A.) in Architecture (or similar program) that meets the common course prerequisites of the Bachelor of Design in Architecture program.
- Submission of a completed UCF application packet.
- Participate in a competitive portfolio pin-up review prior to acceptance.
- Completion of the General Education Program (GEP) at UCF or equivalent.
- UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements are met.

Degree Requirements
- Students who change degree programs and select this major must adopt the current catalog.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
- Students must earn at least a “C” in each required upper level course and maintain an overall GPA of at least 2.0.
- Completion of at least 120 semester hours of coursework, including all required courses.

1. UCF General Education Program (GEP) (36 hrs)
- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP requirements.

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

2. Common Program Prerequisites (CPP)
- Completion of the A.A. in pre-Architecture from VCC or equivalent.

3. Core Requirements: Basic Level (34 hrs)
- A.A. Courses (completed in the A.A. in Architecture from VCC).
- ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in VCC’s architecture program but required for the B.Des. at UCF. See courses below.
- ARC 1201 Theory of Architecture 3 hrs
- ARC 1301 Architectural Design I 4 hrs
- ARC 1302 Architectural Design II 4 hrs
- ARC 1701 History of Architecture I or equivalent 3 hrs
- ARC 2180 Introduction to Digital Architecture 3 hrs
- ARC 2303 Architectural Design III 5 hrs
- ARC 2304 Architectural Design IV 5 hrs
- ARC 2461 Materials and Methods of Construction 4 hrs
- ARC 2702 History of Architecture II or equivalent 3 hrs

4. Core Requirements: Advanced Level (45 hrs)
- Completed as part of the Bachelor of Design program at UCF.
- ARC 3181 Advanced Topics in Digital Architecture 3 hrs
- ARC 3320L Architectural Design 5 6 hrs
- ARC 3321L Architectural Design 6 6 hrs
- ARC 3463 Materials and Methods of Construction 2 3 hrs
- ARC 3503 Architectural Structures 3 hrs
- ARC 3610 Environmental Technology 1 3 hrs
- ARC 3743 Architectural History 3 3 hrs
- ARC 4220 Architectural Theory 2 3 hrs
- ARC 4322L Architectural Design 7 6 hrs
- ARC 4323L Architectural Design 8 6 hrs
- ARC 4620 Environmental Technology 2 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- None
- Graduation
- None

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

9. Additional Requirements
- None

10. Required Minors
- None
The Emerging Media track allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to:

- Provide a solid foundation in techniques and theory in one focused area of competence.
- Provide a broad understanding of related disciplines including arts, humanities, and technology.
- Provide extended experience in working in multidisciplinary teams on realistic problems.

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

Admission Requirements
- Character Animation: students must satisfactorily complete the mandatory DIG3951 - Character Animation Portfolio Review before enrolling in any Character Animation restricted electives. The Character Animation portfolio review is only held in Spring, and typically takes place near the end of February.
- Experimental Animation: all junior level Experimental Animation students must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses or Experimental Animation restricted electives. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Graphic Design: students must satisfactorily complete the mandatory GRA3950 - Graphic Design Portfolio Application course before enrolling in any Graphic Design restricted electives. The Graphic Design portfolio review is only held in Spring, and typically takes place near the end of February.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, DIG 3951 - Character Animation Portfolio Review, or GRA 3950 - Graphic Design Portfolio Application, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- Students may apply to the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- “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.
- 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.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should consult with a school advisor prior to selecting a specialization and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Take all of the following: 6 hrs
      Required ARH 2050 History of Western Art I and 3 hrs
      Required ARH 2051 History of Western Art II 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)
2. Common Program Prerequisites (CPP) (18 hrs)
ARH 2050 History of Western Art I  GEP
ARH 2051 History of Western Art II  GEP
ART 2201C Design Fundamentals - Two Dimensional  3 hrs
1 ART 2203C Design Fundamentals - Three Dimensional  3 hrs
1 ART 2300C Drawing Fundamentals I  3 hrs
1 ART 2301C Drawing Fundamentals II  3 hrs
1 GRA  Introduction to Computer Art  3 hrs
2101C
Any ART prefix, studio, or media courses at the 2000-4000 levels

3. Core Requirements: Basic Level (18 hrs)
ARH 2500 History of Non-Western Art  3 hrs
ART 2623 Art as Interface  3 hrs
COP 2500C Concepts in Computer Science  GEP
MAC 1105C College Algebra  GEP
DIG 2000 Introduction to Digital Media  3 hrs
DIG 2030C Digital Video Fundamentals  3 hrs
DIG 2109C Digital Imaging Fundamentals  3 hrs
DIG 2500C Fundamentals of Interactive Design  3 hrs

4. Core Requirements: Advanced Level (12 hrs)
DIG 3024 Digital Cultures & Narrative  3 hrs
DIG 3480C Computer as a Medium  3 hrs
DIG 3525 Digital Media Production I  3 hrs
DIG 4780C Modeling for Realtime Systems  3 hrs

5. Restricted Electives (39 hrs)
Specializations

Graphic Design
- Graphic Design Basic Concentration - 18 hours
  GRA 3950 Graphic Design Portfolio Application  0 hrs
  GRA 3102C Intermediate Graphic Design I  3 hrs
  GRA 3112C Intermediate Graphic Design II  3 hrs
  GRA 3803C Intermediate Computer Graphic Design  3 hrs
  GRA 4196C Advanced Graphic Design  3 hrs
  GRA 4197C Special Problems in Graphic Design  3 hrs
  GRA 3202C Type & Design  3 hrs

Graphic Design
- Graphic Design - Restricted Electives - 21 hours
  Complete 21 hours of credits from the following areas:  21 hrs
  9 hours must be from 3000 or 4000 level art history courses, 12 hours from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level course approved by the School.

Character Animation
- Character Animation Basic Concentration - 24 hours
  DIG 3355C Artificial Environments and Effects  3 hrs
  DIG 3433C Visual Storytelling and Visual Development  3 hrs
  DIG 4266C New Imagery in Motion Workshop  3 hrs
  DIG 4359C Artificial Environments and Effects Workshop  3 hrs
  DIG 4394C Motion Graphics: Advanced Compositing  3 hrs
  DIG 4434C Narrative Techniques in the Moving Image  3 hrs
  DIG 4451C Visual Storytelling and Visual Development Workshop  3 hrs
  DIG 4486C Visual Language of Moving Image II  3 hrs

Experimental Animation
- Experimental Animation Core - 15 hours
  ART 3590 Portfolio Review  0 hrs
  ART 3643C Digital Effects & Compositing  3 hrs
  DIG 4325C Look Modeling Workshop  3 hrs
  DIG 4362C Geometrical Modeling Workshop  3 hrs
  FIL 3720C Introduction to Animation  3 hrs
  FIL 3734C Intermediate Animation  3 hrs

  Experimental Animation Restricted Electives - 6 hours
  FIL 4735C Advanced Animation  3 hrs
  FIL 4750C Animation Workshop  3 hrs

  Experimental Animation Restricted Electives - 18 hours
  Complete 18 hours of credits from the following areas:  18 hrs
  hours required outside the specialization area from 3500 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level courses approved by the School.

6. Capstone Requirements
- None

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 124

Honors In Major
- None

Related Programs
- English - Technical Communication
- Certificates
- None

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

Advising Notes
- None

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

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None
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/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

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

Art - History Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
Margaret Zaho
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- None

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

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required ARH 2050 History of Western Art I 3 hrs
   Required ARH 2051 History of Western Art II 3 hrs
   Select a course from group B.1 3 hrs
   C: Mathematical Foundations (6 hrs)
   Math:
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs
Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (6 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   ARH 2050 History of Western Art I GEP
   ARH 2051 History of Western Art II GEP
   ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   ART 2300C Drawing Fundamentals I 3 hrs

3. Core Requirements: Basic Level (3 hrs)
   ARH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   ARH 4310 Italian Renaissance Art 3 hrs
   ARH 4430 19th Century Art 3 hrs
   ARH 4450 20th Century Art 3 hrs
   ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
   ENC 3315 Advanced Argumentative Writing 3 hrs

5. Restricted Electives (24 hrs)
- Select one Non-Western/Ancient Art History course from the following: 3 hrs
   - ARH 3520 African Art 3 hrs
   - ARH 3670 20th Century Latin American Art 3 hrs
   - ARH 4130 Greek Art and Architecture 3 hrs
   - ARH 4150 Roman Art and Architecture 3 hrs
   - ARH 4540 Art of India 3 hrs
   - ARH 4653 Meso American Art 3 hrs

One of the following courses: 3 hrs
   - ARH 4200 Medieval Art 3 hrs
   - ARH 4350 Baroque Art 3 hrs
   - ARH 4871 Women in Art 3 hrs

Select 18 additional hours from the following: 18 hrs
   - ARH 3471 Art in the Last 25 Years 3 hrs
   - ARH 3520 African Art 3 hrs
   - ARH 3610 American Art 3 hrs
   - ARH 3670 20th Century Latin American Art 3 hrs
   - ARH 3710 History of Photography I 3 hrs
   - ARH 3713 20th Century Photographic History 3 hrs
   - ARH 3720 History of Prints 3 hrs
   - ARH 3728 History of Illustration 3 hrs
   - ARH 3820 Visual Arts Administration Vitas 3 hrs
   - ARH 4130 Greek Art and Architecture 3 hrs
   - ARH 4150 Roman Art and Architecture 3 hrs
   - ARH 4200 Medieval Art 3 hrs
   - ARH 4350 Baroque Art 3 hrs
   - ARH 4352 Italian Baroque Art 3 hrs
   - ARH 4653 Meso American Art 3 hrs
   - ARH 4871 Women in Art 3 hrs
   - ARH 5897 Advanced Seminar in Art History 3 hrs
   - ARH 3XXX-4XXX Additional Art History course 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor.

Standardized examinations for foreign languages may be used to meet the requirement.

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve at least a "C" GPA (2.0) in courses within the major.
- Computer Competency met by one of the following:
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs
  - ARH 3820 Visual Arts Administration Vitas 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

[http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
## Plan of Study

**Freshman Year - Fall**
- ARH 2050  History of Western Art I 3 hrs
- ENC 1101  Composition I 3 hrs
- HUM 2210  Humanistic Tradition I 3 hrs
- MGF 1106  Finite Mathematics 3 hrs

**Freshman Year - Spring**
- ARH 2051  History of Western Art II 3 hrs
- ARH 2500  History of Non-Western Art 3 hrs
- ENC 1102  Composition II 3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel 3 hrs
- Restricted Elective 3 hrs

**Sophomore Year - Fall**
- ART 2201C  Design Fundamentals-Two Dimensional 3 hrs
- ART 2300C  Drawing Fundamentals I 3 hrs
- COM 1000  Introduction to Communication 3 hrs
- ENC 3315  Advanced Argumentative Writing 3 hrs
- POS 2041  American National Government 3 hrs

**Sophomore Year - Spring**
- ART 4871  Women in Art 3 hrs
- ANT 2000  General Anthropology 3 hrs
- BSC 1005  Biological Principles 3 hrs
- CHM 1020  Concepts in Chemistry 3 hrs
- SPN 1120C  Elementary Spanish Language and Civilization I 4 hrs

**Junior Year - Fall**
- ARH 3720  History of Prints 3 hrs
- ARH 4130  Greek Art and Architecture 3 hrs
- ARH 4430  19th Century Art 3 hrs
- ARH 4800  Theory and Criticism of the Visual Arts 3 hrs
- SPN 1121C  Elementary Spanish Language and Civilization II 4 hrs

**Junior Year - Spring**
- ARH 3610  American Art 3 hrs
- ARH 4310  Italian Renaissance Art 3 hrs
- ARH 4450  20th Century Art 3 hrs
- ARH 4200  Medieval Art 3 hrs
- SPN 2200  Intermediate Spanish Language and Civilization I 3 hrs
- Restricted Elective 3 hrs

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

**Senior Year - Spring**
- ARH 4150  Roman Art and Architecture 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ARH 4XXX 3 hrs

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

### Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

### 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 have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- “C–” (1.75) or below grades from other institutions do not meet departmental requirements.
- Note: On-one-on 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 Art 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 upper level ART, GRA, or PGY courses.
- Co-op credit cannot be used in this major.
- Students should consult with a school 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)

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### Related Programs
- Art Education
- Art - Studio Art Track
- Art - Visual Arts and Emerging Media Management Track
- Certificates
- None

### Acceptable Substitutes for Transfer Courses
- The student must provide all supporting information schools must be evaluated for equivalency credit.

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Equipment Fees
- Full-Time Student: $63 per term
- Part-Time Student: $31.50 per term

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**Art - Studio Art Track (B.F.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 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.

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**UNIVERSITY OF CENTRAL FLORIDA**

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UCF Degree Programs

B: Cultural & Historical Foundations (9 hrs)
Take all of the following:
- Required ARH 2050 History of Non-Western Art I 3 hrs
- Required ARH 2051 History of Non-Western Art II 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:
- Prefer MGF 1106 Finite Mathematics or 3 hrs
- Prefer MGF 1107 Explorations in Mathematics 3 hrs

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

2. Common Program Prerequisites (CPP) (18 hrs)
- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II GEP
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2301C Drawing Fundamentals I 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- 1 GRA Introduction to Computer Art 3 hrs

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

1 *See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (6 hrs)
- ARH 2823 Art as Interface 3 hrs
- GRA 2101C Introduction to Computer Art 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 3737C Narrative Sculpture or 3 hrs
    - ART 4172C Book Repair and Restoration or 3 hrs
    - ART 4173C The Artist Book or 3 hrs
    - ART 4174C The Printed Book or 3 hrs
    - ART 4177C Commercial Book Design and Publishing or 3 hrs
    - ART 4644C Books Without Books 3 hrs
  - Ceramics
    - ART 3761C Intermediate Ceramics or 3 hrs
    - ART 3764C Ceramic Handbuilding I or 3 hrs
    - 1 ART 4783C Advanced Ceramics 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 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 3504C Intermediate Painting or 3 hrs
    - 1 ART 4505C Advanced Painting 3 hrs
  - Photography
    - PGY 3410C Intermediate Photography or 3 hrs
    - 1 PGY 4420C Advanced Photography or 3 hrs
    - PGY 4440C Special Problems in Photography 3 hrs
  - Sculpture
    - ART 3709C Intermediate Sculpture or 3 hrs
    - 1 ART 4710C Advanced Sculpture 3 hrs

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

2. 3 hrs
3. 3 hrs
4. 3 hrs
5. 3 hrs
6. 3 hrs
7. 3 hrs
8. 3 hrs
9. 3 hrs
10. 3 hrs
11. 3 hrs

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

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.

1. May be repeated for credit.
A: Communication Foundations (9 hrs)

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

B: Cultural & Historical Foundations (9 hrs)

Required ARH 2050 History of Western Art I 3 hrs
Required ARH 2051 History of Western Art II 3 hrs
Select a course from group B.1 3 hrs

C: Mathematical Foundations (6 hrs)

Math:

Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

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

ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
Any ART 2XXX-4XXX studio or media course. 3 hrs

3. Core Requirements: Basic Level (6 hrs)

ARH 2500 History of Non-Western Art 3 hrs
ART 2823 Art as Interface 3 hrs
ART 3950 Portfolio Review 0 hrs

4. Core Requirements: Advanced Level

5. Restricted Electives (27 hrs)

Select nine upper division courses in three areas:

Art History
Any upper level ARH course

Book Arts

ART 3170C Book Binding 3 hrs
ART 3171C Materials for Artist Books 3 hrs
ART 3175C Advanced Issues in Contemporary Book Arts 3 hrs
ART 3176C The Illuminated Book 3 hrs
1 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
1 ART 4644C Books Without Books 3 hrs

1 May be repeated for credit.

Ceramics

ART 3761C Intermediate Ceramics 3 hrs
1 ART 4783C Advanced Ceramics 3 hrs

1 May be repeated for credit.

Drawing and Printmaking

ART 3332C Intermediate Drawing 3 hrs
ART 3433C Screenprinting 3 hrs
1 ART 4320C Advanced Drawing 3 hrs
1 ART 4402C Advanced Printmaking 3 hrs

1 May be repeated for credit.

Illustration

GRA 3747C Intermediate Illustration I 3 hrs
1 GRA 4154C Advanced Illustration 3 hrs

1 May be repeated for credit.

Painting

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

1 May be repeated for credit.

Photography

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

1 May be repeated for credit.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.eas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees

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

Art - Studio Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117

http://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.

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.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Grades below “C” (2.0) in lower level ART and ARH courses do not satisfy major requirements.

Co-op credit cannot be used in the major.

Students should consult with a school advisor in their specialization.

Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Art and Design. Nine of these hours must be in an area of specialization.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
## UCF Degree Programs

### Sculpture
- **ART 3709C** Intermediate Sculpture 3 hrs
- **ART 4710C** Advanced Sculpture 3 hrs
- May be repeated for credit.

### Type and Design
- **GRA 3202C** Type & Design 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 single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.

Standardized examinations for foreign languages may be used to meet the requirement.

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

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Achieve at least a GPA (2.0) overall in courses within the major.
- Computer Competency met by:
  - **STA 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
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- For common program prerequisites if taken. may be substituted with:
  - **GRA 2101C** Introduction to Computer Art 3 hrs

### Plan of Study

#### Freshman Year - Spring
- **ARH 2051** History of Western Art II 3 hrs
- **ENC 1102** Composition II 3 hrs
- **STA 1063C** Basic Statistics Using Microsoft Excel 3 hrs
- **ART 2201C** Design Fundamentals-Two Dimensional 3 hrs
- Restricted Elective 3 hrs

#### Sophomore Year - Fall
- **COM 1000** Introduction to Communication 3 hrs
- **POS 2041** American National Government 3 hrs
- **ART 2203C** Design Fundamentals-Three Dimensional 3 hrs
- **ART 2300C** Drawing Fundamentals I 3 hrs
- **GRA 2101C** Introduction to Computer Art 3 hrs

#### Sophomore Year - Spring
- **ART 2000** General Anthropology 3 hrs
- **BSC 1005** Biological Principles 3 hrs
- **CHM 1020** Concepts in Chemistry 3 hrs
- **ART 2301C** Drawing Fundamentals II 3 hrs
- **ARH 2500** History of Non-Western Art 3 hrs
- **ART 3950** Portfolio Review 0 hrs

#### Junior Year - Fall
- **ART 3332C** Intermediate Drawing 3 hrs
- **GRA 3747C** Intermediate Illustration I 3 hrs
- **1 SPN 1120C** Elementary Spanish Language and Civilization I 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Spring
- **ART 3161** Mixed Media 3 hrs
- **ART 4320C** Advanced Drawing 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- **1 SPN 1121C** Elementary Spanish Language and Civilization II 4 hrs

#### Senior Year - Fall
- **pgy 4420C** Advanced Photography 3 hrs
- **PGY 3410C** Intermediate Photography 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Spring
- **ARH 4350** Baroque Art 3 hrs
- **GRA 4154C** Advanced Illustration 3 hrs
- **ART 4320C** Advanced Drawing 3 hrs
- **PGY 4420C** Advanced Photography 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

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

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

### Art - Visual Arts and Emerging Media Management Track (B.A.)

#### College of Arts and Humanities
#### School of Visual Arts and Design
- 407-823-2676

Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

### Admission Requirements
- None
Degree Requirements

- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place at the first week of March. The Fall review takes place the first week of October.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 as noted.
- Co-op internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

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

Take all of the following: 6 hrs
- Suggested: ARH 2050 History of Western Art I and 3 hrs
- Suggested: ARH 2051 History of Western Art II 3 hrs
- Select a course from group B.1 or B.2 3 hrs

C: Mathematical Foundations (6 hrs):
- Math: 3 hrs
- Suggested: MGF 1106 Finite Mathematics or 3 hrs
- Suggested: MGF 1107 Explorations in Mathematics or 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Exam. 3 hrs

Statistics - Computers
- Prefer STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

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

2. Common Program Prerequisites (CPP) (18 hrs)
   ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   ART 2203C Design Fundamentals-Three Dimensional 3 hrs
   ART 2300C Drawing Fundamentals I 3 hrs
   ART 2301C Drawing Fundamentals II 3 hrs
   ARH 2050 History of Western Art I GEP 3 hrs
   ARH 2051 History of Western Art II GEP 3 hrs
   1 GRA Introduction to Computer Art 3 hrs
   2101C
   ART XXX-4XXX Any ART prefix, studio, or media course
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (6 hrs)
   ART 2823 Art as Interface 3 hrs
   ARH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   ART 3950 Portfolio Review 0 hrs

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: 6 hrs
       - ARH 4450 20th Century Art 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 4800 Theory and Criticism of the Visual Arts or 3 hrs
     - PHI 3800 Aesthetics or 3 hrs
     - FIL 3041 History of Animated Films I or 3 hrs
     - FIL 4042 History of Animated Films II 3 hrs

Written Communication 3 hrs

Select 1: 3 hrs
- DIG 3525 Digital Media Production I or 3 hrs
- ENC 3241 Writing for the Technical Professional or 3 hrs
- ENC 3250 Professional Writing or 3 hrs
- ENC 3311 Essay as Cultural Commentary 3 hrs

Information Management 6 hrs

Select 2: 6 hrs
1 DIG 3525 Digital Media Production I or 3 hrs
1 ENC 3241 Writing for the Technical Professional or 3 hrs
1 ENC 3563 Information Management and Entrepreneurship or 3 hrs
1 DIG 3716C Internet Interaction or 3 hrs
1 DIG 4630C Media Business Practices or 3 hrs
1 DIG 5565C Digital Asset Management Systems 3 hrs

1 These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship

Business 3 hrs

Select 1: 3 hrs
1 1 GEB 3113 How to Start a Business or 3 hrs
1 MAR 3023 Marketing or 4 hrs
1 MAN 3025 Management of Organizations or 4 hrs
1 BUL 3130 Legal and Ethical Environment of Business 4 hrs

1 These courses may also be applied toward an 18 credit Minor in Technical Entrepreneurship

Arts Management 3 hrs

Select one:
- FIL 5612 Film and Internet Business 3 hrs
- ARE 3944 Community Arts Practicum 3 hrs
- ARE 4260 Methods in Art Administration 3 hrs
- ARH 3820 Visual Arts Administration Vitas 3 hrs
- FIL 4647 Film Production Management 3 hrs
- PGY 3480 Museum and Gallery Practices 3 hrs

6. Capstone Requirements
   DIG 4855 Converging Media Capstone 3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

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

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 120
## UCF Degree Programs

### Freshman Year - Fall 15 hrs
- ARH 2051: History of Western Art I 3 hrs
- ENC 1101: Composition I 3 hrs
- HUM 2210: Humanistic Tradition I 3 hrs
- MGF 1106: Finite Mathematics 3 hrs
- ART 2201C: Design Fundamentals - Two Dimensional 3 hrs

1. Check restrictions
2. req #1B1-GEP
3. req #1C1-GEP

### Freshman Year - Spring 15 hrs
- ARH 2052: History of Western Art II 3 hrs
- ENC 1102: Composition II 3 hrs
- STA 2063C: Basic Statistics Using Microsoft Excel 3 hrs
- ART 2203C: Design Fundamentals - Three Dimensional 3 hrs
- ART 2823: Art as Interface 3 hrs

1. Check restrictions
2. req #1A3-GEP
3. req #1D1-GEP

### Sophomore Year - Fall 15 hrs
- COM 1000: Introduction to Communication 3 hrs
- POS 2041: American National Government 3 hrs
- ART 2203C: Design Fundamentals - Three Dimensional 3 hrs
- ART 2300C: Drawing Fundamentals I 3 hrs
- GRA 2101C: Introduction to Computer Art 3 hrs

1. Check restrictions
2. req #1D2-GEP
3. req #1E2-GEP
4. req #1E1-GEP

### Sophomore Year - Spring 15 hrs
- ANT 2000: General Anthropology 3 hrs
- BSC 1005: Biological Principles 3 hrs
- CHM 1020: Concepts in Chemistry 3 hrs
- ART 2301C: Drawing Fundamentals II 3 hrs
- ARH 2500: History of Non-Western Art 3 hrs
- ART 3950: Portfolio Review 0 hrs

1. Check restrictions
2. req #1D1-GEP
3. req #1E2-GEP
4. req #1E1-GEP

### Junior Year - Fall 15 hrs
- GEB 3031: Cornerstone: Professional Skills for Business 3 hrs
- SPN 1120C: Elementary Spanish Language and Civilization I 4 hrs

1. Check restrictions
2. req #Lang/Elect
3. req #5

### Junior Year - Spring 16 hrs
- SPN 1121C: Elementary Spanish Language and Civilization II 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

1. Check restrictions
2. req #5

### Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- DIG 4855: Converging Media Capstone 3 hrs

1. Check restrictions
2. req #5

### Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

1. Check restrictions
2. req #5

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

### Equipment Fees
- Full-Time Student: $63 per term
- Part-Time Student: $31.50 per term

### Art Education (B.S.)

### College of Education

#### School of Teaching, Learning, and Leadership, Education Building, Room: 209

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

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

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

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

#### Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.
1. UCF General Education Program (GEP) (36 hrs)
   - Students are strongly advised to take the preferred courses.

A: Communication Foundations (9 hrs)
   - Required EN 1101 Composition I 3 hrs
   - Required EN 1102 Composition II 3 hrs
   - Prefer SP 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   - Prefer AM 2010 U.S. History: 1492-1877 3 hrs
   - Prefer AM 2020 U.S. History: 1877-Present 3 hrs
   - Required AR 2050 History of Western Art I 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
     STA 2014C Principles of Statistics 3 hrs

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

E: Science Foundations (6 hrs)
   - Prefer PSC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
   - 3 hrs
   - Prefer ANT 2511 The Human Species or
     BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level (30 hrs)
   - ARH 2050 History of Western Art I (GEP) 3 hrs
   - ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   - ART 2203C Design Fundamentals-Three Dimensional 3 hrs
   - ART 2300C Drawing Fundamentals I 3 hrs
   - ART 2391C Drawing Fundamentals II 3 hrs
   - GRA 2101C Introduction to Computer Art 3 hrs
   - ART 2745C Beginning Ceramics 3 hrs
   - ART 2800C Beginning Painting 3 hrs
   - ART 2400C Beginning Printmaking 3 hrs
   - PGY 2401C Beginning Photography 3 hrs

4. Core Requirements: Advanced Level (30 hrs)
   - Education Core Requirements 15 hrs
     - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
     - EDF 4467 Learning Theory and Assessment 3 hrs
     - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
     - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
     - RED 4043 Content Reading in Kindergarten through Grade 12 3 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.
   - Students must apply and be approved for Internship I. Deadline dates and applications are available through the
     Office of Clinical Experiences at
     - http://www.education.ucf.edu/clinicalexp/
       - ARE 3940 Internship 3 hrs

Specialization Requirements 12 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

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

6. Capstone Requirements (12 hrs)
   - Passing score on the Subject Area Examination (Art K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
   - All art courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before
     registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for
     admission to Internship II.
   - Students must apply and be approved for Internship II. Deadline dates and applications are available through the
     Office of Clinical Experiences at
     - http://www.education.ucf.edu/clinicalexp/

7. Foreign Language Requirements
   - State University System foreign language admission: two years in high school or one year of college instruction
     in a single foreign language. (This requirement applies to those students admitted to the University without the
     required two units of foreign language in high school)

Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
   - None

11. Departmental Exit Requirements
    - Achieve a minimum 2.5 GPA in all courses within the major.
    - Complete a portfolio according to program guidelines.
      This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator
      Accomplished Practices. Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
UCF Degree Programs

- A 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
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- The program of study will be affected by course offerings and availability. Please see the Art Education website at http://education.ucf.edu/arterd/ 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

Freshman Year - Summer
- SPC 1068 Fundamentals of Oral Communication 3 hrs
- PSC 1121 Physical Science 3 hrs

Sophomore Year - Fall
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs

Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring
- ART 2400C Beginning Printmaking 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Summer
- GIA 2101C Introduction to Computer Art 3 hrs
- PBY 2401C Beginning Photography 3 hrs

Junior Year - Fall
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Junior Year - Spring
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ART 2500C Beginning Painting 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- ARE 4250 Art for Exceptionalities 3 hrs

Junior Year - Summer
- ARE 2754C Beginning Ceramics 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

Senior Year - Fall
- ARE 4351 Teaching Art in the Elementary School 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- ARE 3940 Internship 3 hrs

Senior Year - Spring
- ARE 4941 Internship 12 hrs

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

Athletic Training (B.S.)

College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs II, Room: 118/119
http://www.cohpa.ucf.edu/athletictraining
Email: atinfo@ucf.edu
Kristen C. Schellhase
Phone: 407-823-2747

Admission Requirements
- Students may only begin the athletic training program track in the Summer B semester and must have:
  - A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training. It is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
  - Consent of Program Director.
  - A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

http://www.cohpa.ucf.edu/athletictraining
Technical Standards Requirement

- The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education [CAATEJ]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program’s technical standards does not guarantee a student’s eligibility for the BOC examination.

- Candidates for selection to the Program in Athletic Training will be required to verify they understand and meet these technical standards or they believe that, with certain accommodations, they can meet the standards. The University of Central Florida will evaluate a student who states he/she could meet the program’s technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws. If a student states he/she could meet the technical standards with accommodation, then the University will determine whether the student can meet the technical standards with reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internship deemed essential to graduation. Each candidate must provide a copy of a recent physical examination by a physician.

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

Degree Requirements

- Students who are accepted into the Program in Athletic Training must adopt the most current catalog
- Students should complete the General Education Program, Admission Foreign Language requirement and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Program in Athletic Training, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflicts
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations (9 hrs)
- Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
- Required STA 2023 Statistical Methods I 3 hrs
- Required MAC 1114C College Trigonometry 3 hrs

C: Mathematical Foundations (6 hrs)
- Required STA 2023 Statistical Methods I 3 hrs
- Required MAC 1114C College Trigonometry 3 hrs

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

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 4 hrs
- Suggested CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (15 hrs)

- The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1: 4 hrs

- One of the following courses must be taken as a prerequisite or co-requisite to core requirements:
  - PHY 2053C College Physics I or
  - PHY 2048C Physics for Engineers & Scientists 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 Introduction to Athletic Training 3 hrs
  - ATR 3102 Principles of Athletic Training 3 hrs
  - ATR 3012C Clinical Skills for Athletic Trainers I 2 hrs
  - ATR 3812L Practicum in Athletic Training I 4 hrs
  - HSC 3147 Introduction to Pharmacology 3 hrs
  - ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
  - PET 4315C Biomechanics of Sport 3 hrs
  - ATR 3822L Practicum in Athletic Training II 4 hrs
  - ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs
  - ATR 3013C Clinical Skills for Athletic Training II 2 hrs
### UCF Degree Programs

**Plan of Study**

**Freshman Year - Fall**  
- ENC 1101 Composition I 3 hrs  
- PSY 2012 General Psychology 3 hrs  
- HSC 2000 Introduction to the Allied Health Professions 2 hrs  
- MAC 1105 College Algebra 3 hrs  
- CHM 2054 Chemistry Fundamentals I 4 hrs  

**Freshman Year - Spring**  
- ENC 1102 Composition II 3 hrs  
- POS 2041 American National Government 3 hrs  
- BSC 2010C Biology I 4 hrs  
- MAC 1114C College Trigonometry 3 hrs  

**Sophomore Year - Fall**  
- PHY 2053C College Physics I 4 hrs  
- ZOO 3733C Human Anatomy 4 hrs  
- STA 2023 Statistical Methods I 3 hrs  

**Sophomore Year - Spring**  
- HUM 2210 Humanistic Tradition I or 3 hrs  
- AMH 2010 U.S. History: 1492-1877 or 3 hrs  
- WOH 2012 World Civilization I 3 hrs  

**Select 1:**  
- EUN 2000 Western Civilization I or 3 hrs  
- HUM 2210 Humanistic Tradition I or 3 hrs  
- AMH 2010 U.S. History: 1492-1877 or 3 hrs  
- WOH 2012 World Civilization I 3 hrs  

**Sophomore Year - Summer**  
- HUN 2002 Modern Concepts in Nutrition 3 hrs  
- PCB 3703C Human Physiology 4 hrs  
- SPC 1608 Fundamentals of Oral Communication 3 hrs  

**Select 1:**  
- MUL 2010 Enjoyment of Music or 3 hrs  
- REL 2300 World Religions or 3 hrs  
- THE 2000 Theatre Survey or 3 hrs  
- PHI 2010 Introduction to Philosophy 3 hrs  

**Select 1:**  
- EUN 2001 Western Civilization II or 3 hrs  
- HUM 2230 Humanistic Tradition II or 3 hrs  
- AMH 2020 U.S. History: 1877-Present or 3 hrs  
- WOH 2022 World Civilization II 3 hrs  

**Junior Year - Fall**  
- ATR 4014C Introduction to Athletic Training 3 hrs  
- ATR 3102 Principles of Athletic Training 3 hrs  

**Junior Year - Spring**  
- ATR 3102 Principles of Athletic Training 3 hrs  
- ATR 3102 Principles of Athletic Training 3 hrs  

**Senior Year - Fall**  
- ATR 3102 Principles of Athletic Training 3 hrs  
- ATR 3102 Principles of Athletic Training 3 hrs  

<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>Hours</th>
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<tr>
<td>Freshman Year - Fall</td>
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<tr>
<td>Senior Year - Fall</td>
<td>12 hrs</td>
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**Total Semester Hours Required**  
- 120

**Honors In Major**  
- None

**Related Programs**  
- Sport and Exercise Science  
- Health Services Administration  
- Health Informatics and Information Management  
- Health Sciences - Pre-Clinical Track

**Certificates**  
- None

**Related Minors**  
- Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

**Academic Information**

- A minimum overall GPA of 2.75 and a minimum grade of “C” (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates are eligible to apply to take the Board of Certification (BOC) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Program in Athletic Training.

- Two years of successful clinical rotation under the direct supervision of an Approved Clinical Instructor (ACI).

- 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

**Restrictions**

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- A 2.0 UCF GPA
- Acceptable Substitutes for Transfer Courses
- Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086)
- Biology I with Lab (BSC 1010 and BSC 1010L)
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

**Advising Notes**

- None

**Transfer Notes**

- None

**Notes**

- If not satisfied in high school
- Foreign Language 4 hrs
- Sports Business Management 3 hrs

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

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Junior Year - Spring 12 hrs
PET 4315C Biomechanics of Sport 3 hrs
ATR 3822L Practicum in Athletic Training II 4 hrs
ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs
ATR 3013C Clinical Skills for Athletic Training II 2 hrs
1 Free Elective 3 hrs
1 As needed to meet 120 hrs of university exit requirements.

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

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

Senior Year - Spring 11 hrs
ATR 4933 Athletic Training Seminar 1 hr
PET 4606 Applied Fitness in Sport 3 hrs
ATR 4842L Practicum in Athletic Training IV 4 hrs
ATR 4103 Sports Medicine Field Application 3 hrs
1 Free Elective 3 hrs
1 As needed to meet 120 hrs of departmental exit requirements.

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

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

Biology (B.S.)
College of Sciences
Department of Biology, BL, Room: 301
http://www.cos.ucf.edu/biology
Email: biology@ucf.edu
Frank Logiudice
Phone: 407-823-2141

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- Biology majors must earn a "C" (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  BSC 4422L Biology Laboratory Techniques 1 hr
  BSC 4937 Instructional Experiences in Undergraduate 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.

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

1 UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Mathematics: 3 hrs
- Note: Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/
  - Suggested MAC 2233 Concepts of Calculus or 3 hrs
  - Suggested MAC 2253 Applied Calculus or 3 hrs
  - Prefer MAC 2311C Calculus with Analytic Geometry I 4 hrs

Statistics 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 4 hrs
- Note: a minimum grade of "C" (2.0) is required for this Biology course to be used as a prerequisite.

Select the sequence identified by the Chemistry Placement exam;
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
- For students with a strong chemistry background and a high Chemistry Placement score:
  Required CHM 2045C Chemistry Fundamentals I 4 hrs
  or - Students with little chemistry background should take this two semester equivalent instead.
  Required CHM 2040 Chemistry Fundamentals IA and 3 hrs
  Required CHM 2041 Chemistry Fundamentals IB 3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the following courses.

Biology:
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs

Chemistry:
- CHM 2045C Chemistry Fundamentals I 4 hrs
  or - both of the following:
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs

and- both of the following:
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

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Math:
- Select one math course and this statistics course.
  MAC 2233  Concepts of Calculus or  GEP
  MAC 2235  Applied Calculus or  GEP
  MAC 2311C  Calculus with Analytic Geometry I or  GEP
  STA 2023  Statistical Methods I  GEP

Physics: Complete one entire sequence 8 hrs
  PHY 2053C  College Physics I and 4 hrs
  PHY 2054C  College Physics II 4 hrs
- or 8 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 (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 their use as a course prerequisite.
  BSC 2010C  Biology I and  GEP/CPF
  BSC 2011C  Biology II  GEP/CPF

Chemistry:
- or
  CHM 2046L  Chemistry Fundamentals Laboratory  CPF

Math:
- Students planning on entering professional or graduate school may wish to take additional Calculus courses. Students are urged to consult their departmental advisor.
  MAC 2233  Concepts of Calculus or  GEP
  MAC 2235  Applied Calculus or  GEP
  MAC 2311C  Calculus with Analytic Geometry I  GEP
- and
  STA 2023  Statistical Methods I  GEP/CPF

Physics: Complete one entire sequence
  PHY 2053C  College Physics I and  GEP/CPF
  PHY 2054C  College Physics II  CPF
- or
  PHY 2048C  Physics for Engineers & Scientists I and  CPF
  PHY 2049C  Physics for Engineers and Scientists II  CPF

Basic Core: Additional Requirements

Chemistry:
- Students planning on entering professional or graduate school should take Biochemistry and will thus need a year of Organic Chemistry. Students are urged to consult their departmental advisor.
  BCH 2053  Biochemistry I or  CPF
  BCH 2054  Biochemistry II or  CPF
  1 BOT  Plant Anatomy or  3 hrs
  1 BOT  Plant Kingdom or  5 hrs
  2 PCB 3063L  Genetics Laboratory or  1 hr
  2 PCB 3063L  Genetics Laboratory or  GEP
  2 PCB 4514  Genetics II or  3 hrs
  2 PCB 4524  Molecular Biology II or  3 hrs
  2 PCB 4678  Evolution and Medicine or  3 hrs
  2 PCB 4683L  Evolutionary Biology Lab or  1 hr
  2 PCB 4694  Population Genetics or  3 hrs
  3 PCB 4723  Animal Physiology or  4 hrs
  3 PCB 5935  Population Genetics or  3 hrs
  3 ZOO  Comparative Vertebrate Anatomy or  5 hrs
  3713C  Human Anatomy or  4 hrs
  3 ZOO  Embryology/Development or  5 hrs
  4603C  Human Histology  4 hrs

- Fulfills Botany requirement. Offered in Biology department.
- Offered in Biology department.
- Fulfills Zoology requirement. Offered in Biology department.

Environmental
- Complete a minimum of one lecture course 3 hrs
  from this group.
  1 BOT 3018C  Culinary Botany Across the Cultures or  3 hrs
  1 BOT 3152C  Local Flora or  3 hrs
  1 BOT 3802  Ethnobotany or  3 hrs
  1 BOT 4850  Medicinal Botany or  3 hrs
  2 BSC 4312C  Advanced Marine Biology or  4 hrs
  2 BSC 4330  Invasion Biology or  3 hrs
  2 BSC 4521  Biogeography or  4 hrs
  2 BSC 5258L  Tropical Biology Research and Conservation or  5 hrs
  2 PCB 3364  Tropical Ecology and Conservation or  3 hrs
  2 PCB 3395C  Tropical Marine Biology or  2 hrs
  2 PCB 3442  Aquatic Ecology or  3 hrs
  2 PCB 5435C  Marine Ecology of Florida or  4 hrs
  2 PCB 5485  Models in Ecology or  3 hrs
  3 PAZ 4223C  Zoo and Aquarium Management or  3 hrs
  3 ZOO 4513C  Animal Behavior  3 hrs

- Fulfills Botany requirement. Offered in Biology department.
- Offered in Biology department.
- Fulfills Zoology requirement. Offered in Biology department.

4. Core Requirements: Advanced Level (13 hrs)
- Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
  PCB 3023  Molecular Cell Biology  3 hrs
  PCB 3044  Principles of Ecology  3 hrs
  PCB 3063  Genetics  3 hrs
  PCB 4883  Evolutionary Biology  4 hrs

5. Restricted Electives (22 hrs)
- Courses must be selected from the groupings listed below.
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department. Courses offered by the Department of Biology have been identified. Additional courses may be used to meet a group requirement with approval of the undergraduate program coordinator via petition.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Courses at the 5000 level are only open to seniors and beginning graduate students.

Form/Function 3 hrs
- Complete a minimum of one lecture course 3 hrs
  from this group.
  1 BOT 3018C  Culinary Botany Across the Cultures or  3 hrs
  1 BOT 3152C  Local Flora or  3 hrs
  1 BOT 3802  Ethnobotany or  3 hrs
  1 BOT 4850  Medicinal Botany or  3 hrs
  2 BSC 4312C  Advanced Marine Biology or  4 hrs
  2 BSC 4330  Invasion Biology or  3 hrs
  2 BSC 4521  Biogeography or  4 hrs
  2 BSC 5258L  Tropical Biology Research and Conservation or  5 hrs
  2 PCB 3364  Tropical Ecology and Conservation or  3 hrs
  2 PCB 3395C  Tropical Marine Biology or  2 hrs
  2 PCB 3442  Aquatic Ecology or  3 hrs
  2 PCB 5435C  Marine Ecology of Florida or  4 hrs
  2 PCB 5485  Models in Ecology or  3 hrs
  3 PAZ 4223C  Zoo and Aquarium Management or  3 hrs
  3 ZOO 4513C  Animal Behavior  3 hrs

- Fulfills Botany requirement. Offered in Biology department.
- Offered in Biology department.
- Fulfills Zoology requirement. Offered in Biology department.
### UCF Degree Programs

**Systematic**
- Complete a minimum of one lecture course from this group. 3 hrs

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

**Certificates**
- Interdisciplinary Studies - Environmental Studies Track
- Science Education - Biology
- Interdisciplinary Studies - Environmental Studies Track

**Advising Notes**
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

**Transfer Notes**
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010 and BOT X010 with labs.
  - CHM 2045C: May use CHM X040 plus CHM X041.
  - Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
  - Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

**Plan of Study**
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Math, take Math Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu/
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt

**Freshman Year - Fall**
- 

**Freshman Year - Spring**
- 

**Sophomore Year - Fall**
- 

**Sophomore Year - Spring**
- 

**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
### UCF Degree Programs

**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  
Frank Logiudice  
Phone: 407-823-2141

The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine. This curriculum suggests choices within the Biology major that may be more relevant to preprofessional majors.

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Biology majors must earn a “C” (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

**Program Academic Learning Compacts**

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

**Equipment Fees**

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

**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)**

- Note: Prior to enrolling in Math, take Math Placement Test.  
- Required ENC 1101 Composition I 3 hrs  
- Required ENC 1102 Composition II 3 hrs  
- Required SPC 1603 Fundamentals of Technical Presentations 3 hrs

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

- Note: a minimum grade of “C” (2.0) is required for this Biology course to be used as a prerequisite.
- Required SPC 1603 Fundamentals of Technical Presentations 3 hrs

**C: Mathematical Foundations (7 hrs)**

- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test.  
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

**D: Social Foundations (6 hrs)**

- Note: For students with a strong chemistry background and a high Chemistry Placement score  
- Required CHM 2045C Chemistry Fundamentals I 4 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 SPC 1603 Fundamentals of Technical Presentations 3 hrs

**Select the sequence identified by the Chemistry Placement exam:**

- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test.  
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- Required CHM 2040 Chemistry Fundamentals IA 3 hrs
- Required CHM 2041 Chemistry Fundamentals IB 3 hrs

**2. Common Program Prerequisites (CPP) (16 hrs)**

- Note: “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.

**Biology:** 4 hrs

- 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I and GEP</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP 3 hrs</td>
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**Junior Year - Fall** 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
</tr>
</thead>
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<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3023</td>
<td>Molecular Cell Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>5 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3 hrs</td>
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**Junior Year - Spring** 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
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<tr>
<td>PHY 2054C</td>
<td>College Physics II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
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<td>4 hrs</td>
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<tr>
<td>GEP</td>
<td></td>
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</tr>
<tr>
<td>Elective</td>
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**Senior Year - Fall** 16 hrs

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>PCB 4683</td>
<td>Evolutionary Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
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<td>2 hrs</td>
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**Senior Year - Spring** 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>Restricted Elective</td>
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<td>4 hrs</td>
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<tr>
<td>GEP</td>
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<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Notes:**

- 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
Chemistry:
- Take Placement test before starting chemistry;
  http://chemplacement.sdes.ucf.edu
- or:
  CHM 2045C Chemistry Fundamentals I
  GEP
- and:
  4 hrs
  CHM 2046 Chemistry Fundamentals II and
  CHM 2046L Chemistry Fundamentals Laboratory
  1 hr
Math:
- MAC 2311C Calculus with Analytic Geometry I and
  STA 2023 Statistical Methods I
  GEP
Physics:
- PHY 2048C Physics for Engineers & Scientists I and
  PHY 2049C Physics for Engineers and Scientists II
  4 hrs

3. Core Requirements: Basic Level
(8 hrs)
- All courses specifically identified in the proceeding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following;

Basic Core: Required, satisfies the CPP

Biology:
- Note: a minimum grade of "C" (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
  BSC 2010C Biology I and
  GEP/CPP
  BSC 2011C Biology II
  GEP/CPP
Chemistry:
  CHM 2045C Chemistry Fundamentals I
  GEP/CPP
- or:
  CHM 2040 Chemistry Fundamentals IA and
  CHM 2041 Chemistry Fundamentals IB
  GEP/CPP
- and:
  4 hrs
  CHM 2046 Chemistry Fundamentals II and
  CHM 2046L Chemistry Fundamentals Laboratory
  1 hr
Math:
  MAC 2311C Calculus with Analytic Geometry I and
  STA 2023 Statistical Methods I
  GEP/CPP
Physics:
  PHY 2048C Physics for Engineers & Scientists I and
  PHY 2049C Physics for Engineers and Scientists II
  4 hrs

Basic Core: Additional Requirements
8 hrs

4. Core Requirements: Advanced Level
(13 hrs)
- Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.
  PCB 3023 Molecular Cell Biology
  PCB 3044 Principles of Ecology
  PCB 3063 Genetics
  PCB 4683 Evolutionary Biology
  3 hrs
  3 hrs
  3 hrs
  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.

3713C ZOO 4753C Human Histology 4 hrs
2 ZOO Embryology/Development or 5 hrs
4603C

Environmental Complete a minimum of one lecture course 3 hrs from this group.

6114C

Systematic Complete a minimum of one lecture course 3 hrs from this group.

3550C Primatology or 3 hrs
- MCB 3020C General Microbiology or 5 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- ZOO 4603C Vertebrate Evolution & Ecology 4 hrs

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

Graduation
- Spanish is highly recommended.

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

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- Students will be required to take a comprehensive exam in biology during their last semester. Students must take the exam during their term of graduation, and must earn a passing score.
UCF Degree Programs

- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where the first semester of a two semester sequence has already been taken at the community college.
- **12. University Minimum Exit Requirements**
  - A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residency at UCF
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
  - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

**Total Semester Hours Required**
- 120
- Honors In Major
  - None

**Related Programs**
- Biology
- Chemistry
- Biomedical Sciences

**Certificates**
- None

**Related Minors**
- Biology
- Biomedical Sciences

**Advising Notes**
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are strongly encouraged to work with the Office of Pre-Professional Advising (Ferrell Commons, Bldg 7G, Room 215C; 407-823-3033).
- An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses (sections 3 and 4) and the following courses prior to taking the MCAT exam:
  - CHM 2045C: may use CHM X040 plus CHM X041.
  - PCB X011C 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.

- 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**
- 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**
- BSC 2011C  Biology II  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- PCB 3012  Principles of Ecology  3 hrs
- 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**
- 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**
- CHM 2211  Organic Chemistry II  3 hrs
- CHM 2211L  Organic Laboratory Techniques I  2 hrs
  - May be taken in a later term if seats are not available.
  - PCB 3063  Genetics  3 hrs
  - MAC 2312  Calculus with Analytic Geometry II  4 hrs
  - GE P  3 hrs

**Junior Year - Fall**
- PHY 2048C  Physics for Engineers & Scientists I  4 hrs
- PCB 3023  Molecular Cell Biology  3 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - GEP  3 hrs

**Junior Year - Spring**
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs
- PCB 4683  Evolutionary Biology  4 hrs
  - Restricted Elective  3 hrs
  - GEP  3 hrs
  - Free Elective  2 hrs

**Senior Year - Fall**
- Restricted Elective  4 hrs
- Restricted Elective  4 hrs
- GEP  3 hrs
- GEP  3 hrs
- Free Elective  4 hrs

**Senior Year - Spring**
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free Elective  4 hrs
- Free Elective  3 hrs

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

**Equipment Fees**
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term
Biomedical Sciences (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu

Email: bcbsinfo@ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Grades below "C-" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students should consult with a departmental advisor.

1. UCF General Education Program (GEP) (38 hrs)
   - Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations
   - Select 1: MAC 2311C Calculus with Analytic Geometry I or 4 hrs
     - Suggested MAC 2253 Applied Calculus 3 hrs
   - Select 1: STA 2023 Statistical Methods I or 3 hrs
     - Suggested CGS 1060C Introduction to Computer Science 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)
   - Required BSC 2010C Biology I 4 hrs
   - Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I or 4 hrs
   - Suggested PHY 2045C College Physics II 4 hrs
   - 1 CHM Chemistry Fundamentals I 4 hrs

PCB 4054C Molecular Biology I 4 hrs
   - Suggested PHY 2045C College Physics II 4 hrs
   - 1 PHY Physics for Engineers & Scientists I and 4 hrs

Select one of the following sequences of courses:

PHY 2053C College Physics I and 4 hrs
   - or PHY 2054C College Physics II 4 hrs

or

PHY 2048C Physics for Engineers & Scientists I and 4 hrs
   - or PHY 2049C Physics for Engineers & Scientists II 4 hrs

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level (8 hrs)
Math, Statistics, Computer
   - Select 1: MAC 2311C Calculus with Analytic Geometry I or 4 hrs
     - Suggested MAC 2253 Applied Calculus 3 hrs

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

4. Core Requirements: Advanced Level (25 hrs)
   - MAC 2311C Calculus with Analytic Geometry I or 4 hrs
     - Suggested MAC 2253 Applied Calculus 3 hrs

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

Life Sciences
   - MCB 3020C General Microbiology 5 hrs
   - MCB 4414 Microbial Metabolism 3 hrs
   - PCB 4280 Molecular Immunology 3 hrs
   - PCB 3233L Immunology Laboratory 1 hr
   - PCB 3522 Molecular Biology I 3 hrs
   - PCB 4524 Molecular Biology II 3 hrs
   - BSC 3403C Quantitative Biological Methods 4 hrs

Chemistry
   - BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives (7 courses minimum)
   - Seven courses from the list below, from which no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses.
   - Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.

1 BCH 4054 Biochemistry II 3 hrs
   - BCH 4103L Biochemical Methods 2 hrs
   - MCB 3203 Pathogenic Microbiology 3 hrs
   - MCB 4404 Bacterial Genetics and Physiology 3 hrs
   - MCB 4114C Determinative & Systemic Microbiology 4 hrs
   - MCB 4207 Infectious Processes 3 hrs
   - MCB 4204 Cellular Microbiology, Host-Pathogen Interactions 3 hrs
   - MCB 4276 Epidemiology of Infectious Diseases 3 hrs
   - MCB 4312 Molecular Biotechnology 3 hrs
   - MCB 4503C Molecular Biology of Disease 3 hrs
   - MCB 4721C Methods in Biotechnology 4 hrs
   - MCB 5225 Molecular Biology of Disease 3 hrs
   - MCB 5654 Applied Microbiology 3 hrs
   - MCB 5932 Current Topics in Molecular Biology 3 hrs
   - MLS 3220C Techniques in Clinical Microscopy 3 hrs
   - MLS 3305 Hematology 3 hrs
   - MLS 4334 Hemostasis 3 hrs
   - MLS 4430C Clinical Parasitology 3 hrs
   - 4503C Immunodiagnostics 3 hrs
   - 4505C Advanced Clinical Chemistry I 3 hrs
   - 4506C Advanced Clinical Chemistry II 3 hrs
   - 1 PCB 3063 Genetics 3 hrs
   - 1 PCB Human Physiology 4 hrs
   - 3703C Molecular and Cellular Pharmacology 3 hrs
   - 1 PCB 4174 Foundation of Bio-Imaging Science 3 hrs
   - 1 PCB 4521 Tissue Engineering 3 hrs
   - 1 PCB 4514 Genetica II 3 hrs
   - 1 PCB 4529 Experimental Molecular Biology 3 hrs
   - 1 PCB 4865 Endocrinology 3 hrs
   - 1 PCB 5238 Immunobiology 3 hrs
   - PCB 5236 Cancer Biology 3 hrs
   - PCB 5275 Signal Transduction Mechanisms 3 hrs
   - 1 ZOO Human Gross Anatomy & Dissection 3 hrs
   - 3701C Techniques 4 hrs
   - 1 ZOO Human Anatomy 4 hrs
   - 3733C Neurobiology 3 hrs
   - 1 ZOO Embryology/Development 5 hrs
   - 4603C Human Clinical Embryology and Congenital Malformation 3 hrs
   - 1 ZOO Clinical Neuroanatomy and Neuroscience 4 hrs
   - 4743C Human Histology 4 hrs
   - 4753C
UCF Degree Programs

Related Programs
- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

Certificates
- None

Recommended for Preprofessional students

6. Capstone Requirements
- None

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

Graduation
- None

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, 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.
- Fulfills University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following course with a grade of B or better (4 credits): BSC 3403H Quantitative Biological Methods-Honors
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits):
  - PCB 4970H Honors Undergraduate Thesis II

Related Minors
- Biology
- Chemistry

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g., General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses taken at community colleges or state colleges do not substitute for upper level courses.

Acceptable Substitutes for Transfer Courses
- BSC 2011C Biology I 4 hrs
  - may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I 4 hrs
  - may be substituted with: CHM 2040C
- CHM 2045C Chemistry Fundamentals I 4 hrs
  - may be substituted with: CHM 2041C

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 1105C College Algebra 3 hrs
- Select 1: 3 hrs
  - PSY 2012 General Psychology or
  - SYG 2000 Introduction to Sociology or
  - ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2047L Chemistry Fundamentals Laboratory 1 hr
- MAC 1114C College Trigonometry 3 hrs
- BSC 2010C Biology I 4 hrs
- Select 1: 3 hrs
  - SLS 2311C Overview of Select Medical Careers 2 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 3020C General Microbiology 5 hrs
- Select 1: 4 hrs
  - MAC 2311C Calculus with Analytic Geometry I or
  - MAC 2253 Applied Calculus 3 hrs
- Select 1: 3 hrs
  - EEUH 2000 Western Civilization I or
  - AMH 2010 U.S. History: 1492-1877 or
  - WOH 2012 World Civilization I or
  - HUM 2210 Humanistic Tradition I 3 hrs

Sophomore Year - Spring
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- Select 1: 3 hrs
  - STA 2023 Statistical Methods I or
  - CGS 1060C Introduction to Computer Science 3 hrs
- Select 1: 3 hrs
  - EEUH 2001 Western Civilization II or
  - AMH 2020 U.S. History: 1877-Present or
  - HUM 2230 Humanistic Tradition II or
  - WOH 2022 World Civilization II 3 hrs

Junior Year - Fall
- PCB 3522 Molecular Biology I 3 hrs
- BSC 2011C Biology II 4 hrs
- Select 1: 4 hrs
  - PHY 2053C College Physics I or
  - PHY 2049C Physics for Engineers & Scientists I 3 hrs
- Select 1: 3 hrs
  - ECO 2013 Principles of Macroeconomics or
  - POS 2041 American National Government 3 hrs

1 Or BSC 3403C.
2 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites
Junior Year - Spring 16 hrs
PCB 4524 Molecular Biology II 3 hrs
PCB 4280 Molecular Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
SPC 1603 Fundamentals of Technical Presentations 3 hrs
Select 1: 4 hrs
PHY 2054C College Physics II or 4 hrs
1 PHY 2049C Physics for Engineers and Scientists II 4 hrs
Restricted Elective 2 hrs

Students enrolling in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as pre-reqs

Senior Year - Fall 16 hrs
BCH 4053 Biochemistry I 3 hrs
Restricted Elective 4 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Cultural/Historical 3 hrs

Senior Year - Spring 15 hrs
MCB 4414 Microbial Metabolism 3 hrs
Restricted Elective 4 hrs
Restricted Elective 4 hrs

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

Equipment Fees
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: bcbsinfo@ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
Grades below “C-” in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA I 124.

1. UCF General Education Program (GEP) (36 hrs)
Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
Required CGS 1060C Introduction to Computer Science or
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 GEP
1 CHM Chemistry Fundamentals I GEP
2045C
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

1 See Transfer Notes for possible substitutions

3. Core Requirements: Basic Level (10 hrs)
Life Sciences: Basic
SLS 2311C Overview of Select Medical Careers 2 hrs
Math, Statistics, Computers
Select 1: 4 hrs
MAC 2311C Calculus with Analytic Geometry I or
MAC 2253 Applied Calculus GEP

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

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

4. Core Requirements: Advanced Level (25 hrs)
Life Sciences: Advanced
M CB 3020C General Microbiology 5 hrs
M CB 4414 Microbial Metabolism 3 hrs
PCB 4280 Molecular Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

Chemistry
BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives
7 courses minimum
Seven courses from below, from which no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.
Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:
BCH 4053 Biochemistry II 3 hrs
M CB 3203 Pathogenic Microbiology 3 hrs
M CB 4404 Bacterial Genetics and Physiology 3 hrs
UCF Degree Programs

MCB 4207 Infectious Processes 3 hrs
MCB 4276 Epidemiology of Infectious Diseases 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
MCB 4503C Virology 3 hrs
MCB 5225 Molecular Biology of Disease 3 hrs
MLS 3305 Hematology 3 hrs
MLS 4334 Hemostasis 3 hrs
MLS 4430C Clinical Parasitology 3 hrs
MLS 4505C Immunodiagnostics 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3703C Human Physiology 4 hrs
PCB 4028 Molecular and Cellular Pharmacology 3 hrs
PCB 4514 Genetics II 3 hrs
PCB 4805 Endocrinology 3 hrs
PCB 5238 Immunobiology 3 hrs
ZOO 3701C Human Gross Anatomy & Dissection 3 hrs
ZOO 3733C Human Anatomy 4 hrs
ZOO 3744 Neurobiology 3 hrs
ZOO 4603C Embryology/Development 5 hrs
ZOO 4605 Human Clinical Embryology and Congenital Malformation 3 hrs
ZOO 4743C Clinical Neuroanatomy and Neuroscience 4 hrs
ZOO 4753C Human Histology 4 hrs
MCB 4970H Honors Undergraduate Thesis II 3 hrs
PCB 4234 Cancer Biology 3 hrs
ZOO 4747C Clinical Neuroscience 4 hrs
ZOO 4753C Embryology/Development 5 hrs
ZOO 3744 Human Gross Anatomy & Dissection 3 hrs

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
■ None

8. Electives
■ None

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
■ 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
■ 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 upper division courses regardless of the institution.

■ Complete the following with a grade of B or better (4 credits)
  BSC 3403H Quantitative Biological Methods-Honors 4 hrs
■ Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).
  MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs
■ Biology
■ Biotechnology
■ Chemistry
■ Medical Laboratory Sciences

Certificates
■ None

Related Minors
■ Biology
■ Chemistry

Advising Notes
■ None

Transfer Notes
■ Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF.
■ Students lower division courses taken at community colleges or state colleges do not substitute for upper level courses.

Acceptable Substitutes for Transfer Courses
- BSC 2011C Biology II 4 hrs
  May be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I 4 hrs
  May be substituted with: CHM 2040C
- CHM 2045C Chemistry Fundamentals I 4 hrs
  May be substituted with: CHM 2041C

Plan of Study

Freshman Year - Fall
■ ENC 1101 Composition I 3 hrs
■ CHM 2045C Chemistry Fundamentals I 4 hrs
■ MAC 1114C College Algebra 3 hrs

Select 1:
■ PSY 2012 General Psychology 3 hrs
■ SYG 2000 Introduction to Sociology 3 hrs
■ ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring
■ ENC 1102 Composition II 3 hrs
■ CHM 2046 Chemistry Fundamentals II 3 hrs
■ CHM 2046L Chemistry Fundamentals Laboratory 1 hr
■ BSC 2010C Biology I 4 hrs
■ MAC 1114C College Trigonometry 3 hrs

Sophomore Year - Fall
■ CHM 2210 Organic Chemistry I 3 hrs
■ MCB 3020C General Microbiology 5 hrs

Select 1:
■ MAC 2311C Calculus with Analytic Geometry I or 4 hrs
■ MAC 2233 Applied Calculus 3 hrs

Select 1:
■ EUH 2000 Western Civilization I or 3 hrs
■ AMH 2010 U.S. History: 1492-1877 or 3 hrs
■ WOH 2012 World Civilization I or 3 hrs
■ HUM 2210 Humanistic Tradition I or 3 hrs

Sophomore Year - Spring
■ CHM 2211 Organic Chemistry II 3 hrs
■ CHM 2211L Organic Laboratory Techniques I 2 hrs
■ BSC 3403C Quantitative Biological Methods 4 hrs

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

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2012-2013
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: bcbsinfo@ucf.edu
Dr. P.E Kolattukudy, Chair
Dorilyn Hitchcock, Program Director, Dorilyn.Hitchcock@ucf.edu,
407-823-5932
Phone: 407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog
■ Students should complete the General Education Program before transferring within the Florida Public University/Community College System
■ Students should consult with a Departmental advisor
■ Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
■ Grades below “C-” (1.75) in life science courses will not be accepted
1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations
Required
ENC 1101 Composition I  3 hrs
Required
ENC 1102 Composition II  3 hrs
Prefer
SPC 1603 Fundamentals of Technical Presentations  3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations
Required
STA 2023 Statistical Methods I  3 hrs

Select 1:
Required
MAC 2311C Calculus with Analytic Geometry I or  4 hrs
Required
MAC 2233 Applied Calculus  3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
Required
CHM 2045C Chemistry Fundamentals I  4 hrs
Required
BSC 2010C Biology I  4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I  3 hrs
1 BSC 2011C Biology II  3 hrs
1 CHM Chemistry Fundamentals I  3 hrs

3. Core Requirements: Basic Level
■ None

4. Core Requirements: Advanced Level (52 hrs)

Life Sciences
MCB 5020C General Microbiology  5 hrs
MCB 4414 Microbial Metabolism  3 hrs
PCB 4280 Molecular Immunology  3 hrs
PCB 3233L Immunology Laboratory  1 hr
PCB 3522 Molecular Biology I  3 hrs
PCB 4524 Molecular Biology II  3 hrs
BSC 3403C Quantitative Biological Methods  4 hrs
MCB 4721C Methods in Biotechnology  4 hrs
MCB 4720 Industrial Perspectives Seminar  3 hrs
MCB 4512 Molecular Biotechnology  3 hrs
PCB 4529 Experimental Molecular Biology  3 hrs
PCB 4174 Foundation of Bio-Imaging Science  3 hrs

Chemistry
BCH 4053 Biochemistry I  3 hrs
CHM 2046 Chemistry Fundamentals II  3 hrs
CHM 2211 Organic Chemistry I  3 hrs
CHM 2212 Organic Chemistry II  3 hrs
STA 2023 Statistical Methods I  3 hrs
MAC 2311C Calculus with Analytic Geometry I  6 hrs
CHM 2053C College Physics I  4 hrs
CHM 2054C College Physics II  4 hrs

Physics
Select one of the following sequences of courses:

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  4 hrs
PHY 2049C Physics for Engineers & Scientists II  4 hrs
## UCF Degree Programs

### Math

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I or GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Applied Calculus</td>
<td>GEP</td>
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### 5. Restricted Electives (6 hrs)

- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.
- Those students who do not qualify for the MCB 4970H may elect MCB 4912. Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSH 4103L</td>
<td>Biochemical Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MCB 3203</td>
<td>Pathogenic Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4404</td>
<td>Bacterial Genetics and Physiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4207</td>
<td>Infectious Processes</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4204</td>
<td>Cellular Microbiology: Host-Pathogen</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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 3403H Quantitative Biological Methods-Honors 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis:
  - MCB 4970H Honors Undergraduate Thesis II 3 hrs

### Related Programs

- Biology
- Chemistry
- Medical Laboratory Sciences
- 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 community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF.
- Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I sequence at the community college, the student should

### Acceptable Substitutes for Transfer Courses

- Substitutes for Common Program Prerequisites:
  - MAC X311 or MAC X233 or MAC X353 or MAC X281
  - PHY X253C & PHY X054C or PHY X048/X048L & PHY X048/X048L
  - STA X023 or STA X122 or STAX014 or STA X024 or STA X321

### Acceptable Substitutes

- CHM 2045C may be substituted with CHM 2040 and CHM 2041
- BSC 2011C Biology II 4 hrs
- may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2040
- CHM 2045C Chemistry Fundamentals I 4 hrs
- 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
- Select 1:
  - PSY 2012 General Psychology 3 hrs
  - SYG 2000 Introduction to Sociology or 3 hrs
  - ANT 2000 General Anthropology or 3 hrs

### Sophomore Year - Fall

- CHM 2210 Organic Chemistry I 3 hrs
- MCB 2020C General Microbiology 5 hrs
Select 1:
- MAC 2311C Calculus with Analytic Geometry I or 4 hrs
- MAC 2283 Applied Calculus 3 hrs

Select 1:
- EUH 2000 Western Civilization I or 3 hrs
- ANH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

Sophomore Year - Spring 15 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

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

Select 1:
- EUH 2001 Western Civilization II or 3 hrs
- ANH 2020 U.S. History: 1877-Present or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Junior Year - Fall 13 hrs
- PCB 3522 Molecular Biology I 3 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

Select 1:
- PHY 2053C College Physics I or 4 hrs
- 1 PHY 2048C Physics for Engineers & Scientists I 4 hrs

Junior Year - Spring 15 hrs
- PCB 4524 Molecular Biology II 3 hrs
- PCB 4280 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- BSC 2011C Biology II 4 hrs

Select 1:
- PHY 2054C College Physics II or 4 hrs
- 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Senior Year - Fall 14 hrs
- BCH 4053 Biochemistry I 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- Restricted Elective 3 hrs

For students who transfer in their junior year from the community college (cc), the revised sequence of courses is provided (it is assumed that GEP and physics will be completed at cc):

Junior Year - Fall
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
- MCB 3020C General Microbiology 5 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring
- PCB 3522 Molecular Biology I 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- BCH 4053 Biochemistry I 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- MCB 4414 Microbial Metabolism 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- Elective 3000 level 3 hrs

Senior Year - Spring
- PCB 4524 Molecular Biology II 3 hrs
- PCB 4280 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs

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

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $76 per term

Business Administration (B.A.B.A.)
College of Business Administration
Department of Management,
Business Administration II, Room: 101
Only offered at Regional Campuses.
http://www.bus.ucf.edu

Email: cba@bus.ucf.edu
Selena Forrest (Clermont Advising), 352-536-2174
Angelia Jones (Cocoa Advising), 321-433-7889
Christine Davis (Daytona Advising), 386-506-4021
Melba Sanchez (College of Business), 407-823-2184
Phone: 407-823-2184

The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF's undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor. Not eligible for a double degree or double major with another CBA major.

Admission Requirements
- 2.0 GPA and completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida Public Community College

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of "C" (2.0) or better in each course applied toward the major.
UCF Degree Programs

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication
   or
   Suggested ECO 2013 Principles of Macroeconomics
   or
   Suggested ECO 2023 Principles of Microeconomics
   B: Cultural & Historical Foundations (9 hrs)
   Required STA 2023 Statistical Methods I
   Prefer MAC 1105C College Algebra
   C: Mathematical Foundations (6 hrs)
   Required STA 2023 Statistical Methods I
   Select 1: 3 hrs
   Suggested ECO 2023 Principles of Microeconomics
   or
   Suggested ECO 2013 Principles of Macroeconomics
   Select 1: 3 hrs
   Suggested ANT 2000 General Anthropology
   or
   Suggested PSY 2012 General Psychology
   or
   Suggested SYG 2000 Introduction to Sociology
   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Suggested ECO 2013 Principles of Macroeconomics
   Select 2: 3 hrs
   Suggested STA 2256 Business Statistics
   E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP) (18 hrs)
   Must be completed with a "C" (2.0) or better.
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs
   ECO 2013 Principles of Macroeconomics 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs
   Select one of the following sequences of courses:
   Must earn a "C" (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.
   ECO 3401 Quantitative Business Tools I 3 hrs
   or
   MAC 2233 Concepts of Calculus and 3 hrs
   STA 2023 Statistical Methods I 3 hrs
   3. Core Requirements: Basic Level
   None
   4. Core Requirements: Advanced Level (32 hrs)
   First of subsequent semester in the College of Business Administration:
   BUL 3130 Legal and Ethical Environment of Business 4 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   FIN 3403C Business Finance 4 hrs
   1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   GEB 3375 Introduction to International Business 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs
   MAR 3203 Supply Chain and Operations Management 4 hrs
   1 Required in the 1st or 2nd semester
   2 Must be taken with GEB 3031
   5. Restricted Electives
   None
   6. Capstone Requirements (4 hrs)
   MAN 4720 Strategic Management 4 hrs
   This course is taken in the graduating term and requires the following prerequisites:
   FIN 3403C Business Finance 4 hrs
   1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs
   1 Required in 1st or 2nd semester
   2 Must be taken with GEB 3031

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
   Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
   8. Electives
   None
   9. Additional Requirements
   None
   10. Required Minors
   None
   11. Departmental Exit Requirements
   None
   12. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 39 hours of course work must be completed in residency at UCF
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit
   Total Semester Hours Required
   120
   Honors In Major
   None
   Related Programs
   None
   Certificates
   None
   Related Minors
   None
   Advising Notes
   None
   Transfer Notes
   Courses taken at community colleges do not substitute for upper division courses.
   Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
Prerequisites are usually completed in the first 60 hours.

- Sciences will be enforced.

- Acceptable Substitutes for Transfer Courses
  - ACG 2021 Principles of Financial Accounting may be substituted with ACG X001 and X011.

- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF.
- Acceptable Substitutes for Transfer Courses
  - ACG 2021 Principles of Financial Accounting may be substituted with ACG X001 and X011.

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Chemistry (B.S.)
College of Sciences
Department of Chemistry, Physical Sciences, Room: 255
http://chemistry.cos.ucf.edu/
Email: pedro.patinos@ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
  - CHM 2045C Chemistry Fundamentals I
  - CHM 2046 Chemistry Fundamentals II
  - CHM 2046L Chemistry Fundamentals Laboratory
  - CHM 2210 Organic Chemistry I
  - CHM 2211 Organic Chemistry II
  - CHM 2211L Organic Laboratory Techniques I
  - MAC 2311C Calculus with Analytic Geometry I
  - MAC 2312 Calculus with Analytic Geometry II
  - PHY 2048C Physics for Engineers & Scientists I
  - PHY 2049C Physics for Engineers and Scientists II

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
- Required ENC 1102 Composition II
- Prefer SPC 1603 Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I
- Prefer STA 2023 Statistical Methods I

C: Mathematical Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I
- Required PHY 2049C Physics for Engineers and Scientists II

D: Social Foundations (6 hrs)
- Required BSC 2010C Biology I

E: Science Foundations (8 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I
- Required PHY 2049C Physics for Engineers and Scientists II

2. Common Program Prerequisites (CPP) (24 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Prior to enrolling in Chemistry, you must take the Chemistry Placement Test – http://chemplacement.sdes.ucf.edu

Select either:
- CHM 2045C Chemistry Fundamentals I
- or
  - CHM 2040 Chemistry Fundamentals IA and
  - CHM 2041 Chemistry Fundamentals IB

- and complete all the following
  - CHM 2046 Chemistry Fundamentals II
  - CHM 2210 Organic Chemistry I
  - CHM 2211 Organic Chemistry II
  - CHM 2211L Organic Laboratory Techniques I
  - MAC 2311C Calculus with Analytic Geometry I
  - MAC 2312 Calculus with Analytic Geometry II
  - PHY 2048C Physics for Engineers & Scientists I
  - PHY 2049C Physics for Engineers and Scientists II

3. Core Requirements: Basic Level (4 hrs)
- All courses specifically identified in the preceeding 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
- or
  - CHM 2040 Chemistry Fundamentals IA and
  - CHM 2041 Chemistry Fundamentals IB

- and
  - CHM 2046 Chemistry Fundamentals II
  - CHM 2210 Organic Chemistry I
  - CHM 2211 Organic Chemistry II
  - CHM 2211L Organic Laboratory Techniques I
  - MAC 2311C Calculus with Analytic Geometry I
  - MAC 2312 Calculus with Analytic Geometry II
  - PHY 2048C Physics for Engineers & Scientists I
  - PHY 2049C Physics for Engineers and Scientists II
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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences
- Science Education - Chemistry
- Chemistry - Biochemistry Track

Certificates
- None

Related Minors
- Chemistry
- Biomedical Sciences
- Biology
- Physics

Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  
  - CHM 2045C: may use CHM X040C plus CHM X041C.
  - Physics & Lab: Although the CPP allows substitution by other physics courses, they will not satisfy the major; thus the specified physics courses will still have to be taken.
  - Physics: Although the CPP allows substitution by Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, you must take the Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Before registering for Math, you must take Math Placement Test ~ http://utc.sdes.ucf.edu/
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
Freshman Year - Fall  
CHM 2045C Chemistry Fundamentals I  4 hrs  
MAC 2311C Calculus with Analytic Geometry I  4 hrs  
BSC 2010C Biology I  4 hrs  
ENC 1101 Composition I  3 hrs  

Freshman Year - Spring  
14 hrs  
CHM 2046 Chemistry Fundamentals II  3 hrs  
CHM 2046L Chemistry Fundamentals Laboratory  1 hr  
Lab may be taken in a later term if seats are not available.  
MAC 2312 Calculus with Analytic Geometry II  4 hrs  
ENC 1102 Composition II  3 hrs  
GEP 3 hrs  

Sophomore Year - Fall  
14 hrs  
CHM 2210 Organic Chemistry I  3 hrs  
PHY 2048C Physics for Engineers & Scientists I  4 hrs  
MAC 2313 Calculus with Analytic Geometry III  4 hrs  
Free Elective  3 hrs  

Sophomore Year - Spring  
14 hrs  
CHM 2211 Organic Chemistry II  3 hrs  
CHM 2211L Organic Laboratory Techniques I  2 hrs  
Lab may be taken in a later term if seats are not available.  
PHY 2049C Physics for Engineers and Scientists II  4 hrs  
GEP 3 hrs  
Free Elective  2 hrs  

Junior Year - Fall  
16 hrs  
BCH 4053 Biochemistry I  3 hrs  
CHM 3120 Analytical Chemistry  3 hrs  
CHM 3120L Analytical Chemistry Laboratory  1 hr  
CHM 3210L Organic Laboratory Techniques II  2 hrs  
CHM 3410 Physical Chemistry I  4 hrs  
GEP 3 hrs  

Junior Year - Spring  
16 hrs  
CHM 3411 Physical Chemistry II  3 hrs  
CHM 3411L Physical Chemistry Laboratory  2 hrs  
CHM 4130 Advanced Analytical Laboratory Technique  3 hrs  
CHM 4130L Advanced Analytical Chemistry Laboratory  4 hrs  
Restricted Elective  3 hrs  

Senior Year - Fall  
16 hrs  
CHM 4610L Inorganic Chemistry Laboratory  2 hrs  
CHM 4930 Chemistry Seminar II  1 hr  
CHM 4912 Directed Independent Research  2 hrs  
Restricted Elective  3 hrs  
GEP 3 hrs  
Free Elective  2 hrs  
Free Elective  3 hrs  

Senior Year - Spring  
15 hrs  
CHM 4912 Directed Independent Research  2 hrs  
CHM 4931 Chemistry Seminar II  1 hr  
GEP 3 hrs  
GEP 3 hrs  
Free Elective  3 hrs  
Free Elective  3 hrs  

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

Equipment Fees  
■ Part-Time Student: $45 per term  
■ Full-Time Student: $90 per term  

Chemistry - Biochemistry Track (B.S.)  
College of Sciences  
Department of Chemistry,  
Physical Sciences, Room: 255  
http://www.cos.ucf.edu/chemistry  
Email: pedro.patino@ucf.edu  
Dr. Pedro Patino  
Phone: 407-823-2246  

Admission Requirements  
■ None  

Degree Requirements  
■ Students who change degree programs and select this major must adopt the most current catalog.  
■ Co-op or internship credit cannot be used in the major.  
■ Students should consult with a departmental advisor before registering.  
■ Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level course taken from the UCF Department of Chemistry.  
■ Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.  
■ 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 spread throughout the 120 hours.  
■ AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.  

1. UCF General Education Program (GEP)  
■ Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.  

A: Communication Foundations  
■ Required ENC 1101 Composition I  3 hrs  
■ Required ENC 1102 Composition II  3 hrs  
■ Prefer SPC 1608 Fundamentals of Oral Communication  3 hrs  

B: Cultural & Historical Foundations  
■ Required MAC 2311C Calculus with Analytic Geometry I  4 hrs  
■ Prefer STA 2023 Statistical Methods I  3 hrs  

C: Mathematical Foundations  
■ Required PHY 2048C Physics for Engineers & Scientists I  4 hrs  
■ Required BSC 2010C Biology I  4 hrs  

2. Common Program Prerequisites (CPP)  
Select either:  
CHM 2045C Chemistry Fundamentals I  4 hrs  
- or -  
CHM 2040 Chemistry Fundamentals IA and  3 hrs  
CHM 2041 Chemistry Fundamentals IB  3 hrs  

Full-Time Student: $90 per term  
Part-Time Student: $45 per term  
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- 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 GEP
  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)
   BCH 4053 Biochemistry I  3 hrs
   BCH 4054 Biochemistry II  3 hrs
   BCH 4103L Biochemical Methods  2 hrs
   CHM 3410 Physical Chemistry I  4 hrs
   CHM 3411 Physical Chemistry II  3 hrs
   CHM 3411L Physical Chemistry Laboratory  2 hrs
   CHM 4610 Inorganic Chemistry  3 hrs
   CHM 4912 Directed Independent Research  4 hrs
   CHM 4930 Chemistry Seminar I  1 hr
   CHM 4931 Chemistry Seminar II  1 hr
   MCB 3020C General Microbiology  5 hrs
   PCB 3023 Molecular Cell Biology  3 hrs
   PCB 3063 Genetics  3 hrs

5. Restricted Electives (10 hrs)
   Select from the following:
   CHM 4130 Advanced Analytical Laboratory Technique  3 hrs
   CHM 4906 Directed Independent Study  1 hr
   CHM 5225 Advanced Organic Chemistry  3 hrs
   PCB 3522 Molecular Biology I  3 hrs
   Additional upper level courses as approved by a
   departmental advisor
   One of the following may be used as a
   Restricted Elective:
   CHM 4220 Organic Chemistry III or  3 hrs
   CHM 5225 Advanced Organic Chemistry  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 48 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
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences

Certificates
- None

Related Minors
- Chemistry
- Biology
- Biomedical Sciences

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do
  not substitute for Upper Division courses.
- Courses transferred from private and out-of-state
  schools must be evaluated for equivalency credit. The
  student must provide all supporting information.
Acceptable Substitutes for Transfer Courses

- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study

- This is one of numerous possible plans of study.

- Prior to enrolling in Chemistry, take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test – http://utc.sdes.ucf.edu/

- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

**Freshman Year - Fall**

- CHM 2045C: Chemistry Fundamentals I
- MAC 2311C: Calculus with Analytic Geometry I
- BSC 2010C: Biology I
- ENC 1101: Composition I

**Freshman Year - Spring**

- CHM 2046: Chemistry Fundamentals II
- CHM 2046L: Chemistry Fundamentals Laboratory
- Lab may be taken in a later term if seats are not available.
- MAC 2312: Calculus with Analytic Geometry II
- ENC 1102: Composition II
- GEP
- GEP

**Sophomore Year - Fall**

- CHM 2210: Organic Chemistry I
- PHY 2048C: Physics for Engineers & Scientists I
- MAC 2313: Calculus with Analytic Geometry III
- Statistics

**Sophomore Year - Spring**

- CHM 2211: Organic Chemistry II
- CHM 2211L: Organic Laboratory Techniques I
- Lab may be taken in a later term if seats are not available.
- CHM 3120: Analytical Chemistry Laboratory
- PHY 2049C: Physics for Engineers and Scientists II
- PCB 3083: Genetics
- GEP
- GEP

**Junior Year - Fall**

- BCH 4053: Biochemistry I
- CHM 3215L: Organic Laboratory Techniques II
- PCB 3023: Molecular Cell Biology
- GEP
- GEP

**Junior Year - Spring**

- BCH 4054: Biochemistry II
- BCH 4103L: Biochemical Methods
- MCB 3020C: General Microbiology
- GEP

**Senior Year - Fall**

- CHM 3410: Physical Chemistry I
- CHM 4912: Directed Independent Research
- Required STA 3032: Probability and Statistics for Engineers

**Senior Year - Spring**

- CHM 4931: Chemistry Seminar II
- CHM 3411: Physical Chemistry II
- CHM 3411L: Physical Chemistry Laboratory
- CHM 4610: Inorganic Chemistry
- CHM 4912: Directed Independent Research
- GEP

Program Academic Learning Compacts

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

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Civil Engineering (B.S.C.E.)

**College of Engineering and Computer Science**

**Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211**

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

Carol Ann Pohl, carol.pohl@ucf.edu
Dr. F. Necati Catbas, fikret.catbas@ucf.edu
Phone: 407-823-2841

Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)

- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

- Required ENC 1101: Composition I
- Required ENC 1102: Composition II
- Suggested SPC 1603: Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)

- Select two courses from Historical Foundations
- Select one course from Cultural Foundations

C: Mathematical Foundations (7 hrs)

- Required MAC 2311C: Calculus with Analytic Geometry I
- Required STA 3032: Probability and Statistics for Engineers

D: Social Foundations (6 hrs)

- Select one class from Social Foundation Group 1
- Select one class from Social Foundation Group 2

E: Science Foundations (7 hrs)

- Required PHY 2048C: Physics for Engineers & Scientists I
- Prefer GEO 1200: Physical Geography
2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System.
- CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.
  - MAC 2311C Calculus with Analytic Geometry I GEP
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Ordinary Differential Equations I 3 hrs
  - PHY 2048C Physics for Engineers & Scientists I GEP
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select one of the following sequences of courses:
- Preferred course
  - CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- First alternative: Select all of the following:
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs
- Second alternative
  - CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
  - EGN 1006C Introduction to the Engineering Profession 1 hr
  - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)
  - EGN 3310 Engineering Analysis Statics 3 hrs
  - EGN 3321 Engineering Analysis Dynamics 3 hrs
  - EGN 3331 Mechanics of Materials 3 hrs
  - EGN 3433 Thermodynamics 3 hrs
  - EGN 3613 Engineering Economics Analysis 2 hrs
  - ENV 3001 Introduction to Environmental Engineering 3 hrs
  - CCE 4003 Introduction to the Construction Industry 3 hrs
  - STA 3032 Probability and Statistics for Engineers GEP
  - CGN 3700C Civil Engineering Measurements 4 hrs
  - CGN 3801C Civil Engineering Materials 3 hrs
  - CEG Geotechnical Engineering I 4 hrs
  - CES 4100C Structural Analysis I and Lab 4 hrs
  - CWR 4632C Water Resources Engineering I 4 hrs
  - TTE 3810 Highway Engineering 3 hrs
  - ENV 4531 Environmental Engineering Operations & Processes I
  - CES 4605 Steel Structures 3 hrs
  - CES 4702 Reinforced Concrete Structures 3 hrs

Select 3: 9 hrs
- Take 3 from the following:
  - CEG 4012 Geotechnical Engineering II or 3 hrs
  - CWR 4633C Water Resources Engineering II or 3 hrs
  - ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
  - TTE 4274 Transportation Engineering Systems 3 hrs

5. Restricted Electives
- Some students may need to take technical electives to satisfy hour shortages because of transfer status.
- Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Senior Design Courses
  - CGN 4808C CECE Capstone Design 3 hrs

Design Specialization
- GE 4801C Geotechnical Engineering Design or 3 hrs
- CES 4743C Structural Design or 3 hrs
- CWR 4812C Water Resources Design or 3 hrs
- ENV 4562C Environmental Engineering Water Treatment Design or 3 hrs
- TTE 4601C Urban Systems Design 3 hrs
- A “C” (2.0) or better is required in this course.

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year.
- Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 128

Honors in Major
- None

Related Programs
- Construction Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Mathematics
- Engineering Leadership

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.
Transfer Notes

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information (course syllabus) with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (128 hrs)

- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- GEP 6 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr

Freshman Year - Spring 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 Fundamentals of Chemistry for Engineers 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 3 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 4801C Geotechnical Engineering Design or 3 hrs
- CES 4743C Structural Design or 3 hrs
- CWR 4812C Water Resources Design or 3 hrs
- ENV 4562C Environmental Engineering Design or 3 hrs
- TTE 4601C Urban Systems Design 3 hrs

Senior Year - Spring 12 hrs
- GEP 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- GPN 4808C CECE Capstone Design 3 hrs

Discipline Depth 3 hrs
- CEG 4012 Geotechnical Engineering II or 3 hrs
- CWR 4633C Water Resources Engineering II or 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
- ENV 4562C Environmental Engineering Water Processes II or 3 hrs

Program Academic Learning Compacts

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

Equipment Fees

- Part-Time Student: $33 per term
- Full-Time Student: $66 per term

Communication Sciences and Disorders (B.A. / B.S.)

College of Health and Public Affairs

Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cooha.ucf.edu/comdis/

Email: advising@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 Public University/ Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
- Students must earn at least a “C-” (1.75) in each 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)
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Select 1: (3 hrs)
- Suggested STA 2014C Principles of Statistics or
- Suggested STA 2023 Statistical Methods I or

Select 1: (3 hrs)
- Suggested MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics

D: Social Foundations (6 hrs)
- Suggested PSY 2012 General Psychology (3 hrs)
**UCF Degree Programs**

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or Suggested ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or Suggested POS 2041 American National Government</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>4. Core Requirements: Advanced Level</th>
<th>(56 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Requirements</td>
<td>53 hrs</td>
</tr>
<tr>
<td>GEP 2064C Developmental Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3471 Communication Disorders in Literature and Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3101 Physiological Bases of Speech and Hearing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3112 Basic Phonetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3112L Basic Phonetics Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>LIN 3716 Language Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3716L Language Development Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>SPA 3011 Speech Science I: Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3011L Speech Production Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>SPA 3104 Neural Bases of Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3123 Speech Science II: Perception</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3123L Speech Perception Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>SPA 4476 Speech Disorders Across the Lifespan</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4478 Audiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4478L Multicultural Aspects of Communication Disorders &amp; Differences</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4400 Language Disorders Across the Life Span</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4321 Audiolinguistic Rehabilitation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3713 Language Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4870C Capstone Course</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAB 3703C Principles of Behavior Modification or EEX 4601 Introduction to Behavior Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>or EEC 4604 Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or EDF 3303 Learning Environments and Guidance for Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or SPA 3472 Guidance of Young Children with Communication Disorders</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Statistics Requirement</th>
<th>3 hrs</th>
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<tbody>
<tr>
<td>Students have two options for completing this requirement:</td>
<td></td>
</tr>
<tr>
<td><strong>Option 1:</strong></td>
<td></td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I and</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 4163 Statistical Methods II</td>
<td></td>
</tr>
<tr>
<td><strong>Option 2:</strong></td>
<td></td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics and Research Methods in Communication Sciences and Disorders</td>
<td>GEP</td>
</tr>
<tr>
<td>or SPA 4803 Research Methods in Communication Sciences and Disorders</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Restricted Electives</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>An additional nine credit hours of upper division coursework in Communication Sciences and Disorders selected in consultation with an academic advisor.</td>
<td></td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>6. Capstone Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 4870C Capstone Course</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7. Foreign Language Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions</td>
<td></td>
</tr>
<tr>
<td>Graduation</td>
<td>None</td>
</tr>
<tr>
<td>Electives</td>
<td>Students can choose 12 hours of electives. A minor or certificate is encouraged.</td>
</tr>
<tr>
<td>Additional Requirements</td>
<td>None</td>
</tr>
<tr>
<td>Required Minors</td>
<td>None</td>
</tr>
<tr>
<td>Departmental Exit Requirements</td>
<td>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.</td>
</tr>
<tr>
<td>University Minimum Exit Requirements</td>
<td>A 2.0 UCF GPA</td>
</tr>
<tr>
<td>Total Semester Hours Required</td>
<td>120</td>
</tr>
<tr>
<td>Honors In Major</td>
<td>Interested students should consult with the undergraduate program coordinator.</td>
</tr>
</tbody>
</table>

**Related Programs**

- Health Services Administration
- Psychology
- Social Work

**Certificates**

- None

**Related Minors**

- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology
- Spanish

**Advising Notes**

- Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master’s degree in Communication Sciences and Disorders.
Sophomore Year - Fall 15 hrs
Select 1: 3 hrs
Select 1: 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
DEP 2004C Developmental Psychology 3 hrs
Select 1: 3 hrs
PHY 2XXX (Physics Course) 3 hrs
Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics or 3 hrs
POS 2041 American National Government 3 hrs
Select 1: 3 hrs
EUH 2000 Western Civilization I or 3 hrs
HUM 2210 Humanistic Tradition I or 3 hrs
ANH 2010 U.S. History: 1492-1877 3 hrs
Sophomore Year - Fall 15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
SPA 3471 Communication Disorders in Literature and Media 3 hrs
Free Elective 3 hrs
Select 1: 3 hrs
EUH 2001 Western Civilization II or 3 hrs
HUM 2230 Humanistic Tradition II or 3 hrs
ANH 2020 U.S. History: 1877-Present 3 hrs
Select 1: 3 hrs
MGF 1106 Finite Mathematics or 3 hrs
MAC 1105C College Algebra 3 hrs
Sophomore Year - Spring 13 hrs
Select 1: 3 hrs
EDF 3305 Learning Environments and Guidance for Young Children or 3 hrs
EEX 4601 Introduction to Behavior Management or 3 hrs
ECC 4604 Classroom Management and Guidance of Young Children or 3 hrs
SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs
Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs
Sophomore Year - Summer 9 hrs
Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs
Select 1: 3 hrs
SPA 3011L Speech Production Lab 1 hr
SPA 3010 Physiological Bases of Speech and Hearing 3 hrs
LIN 3713 Language Science 3 hrs
Sophomore Year - Fall 13 hrs
SPA 3011 Speech Science I: Production 3 hrs
SPA 3010 Physiological Bases of Speech and Hearing 3 hrs
Junior Year - Fall 12 hrs
 SPA 4032 Audiology 3 hrs
SPA 4400 Language Disorders Across the Life Span 3 hrs
SPA 4476 Multicultural Aspects of Communication 3 hrs
Disorders & Differences 3 hrs
Select 1: 3 hrs
STA 4163 Statistical Methods II or 3 hrs
SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs
Senior Year - Fall 12 hrs
SPA 4321 Audiologic Rehabilitation 3 hrs
SPA 4870C Capstone Course 3 hrs
Free Elective 3 hrs
Restricted Elective 3 hrs
Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Equipment Fees
Part-Time Student: $17.50 per term
Full-Time Student: $35.00 per term

Computer Engineering (B.S.P.E.)
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu

Admission Requirements
Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
None
UCF Degree Programs

1. UCF General Education Program (GEP) (38 hrs)
   - UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Select 1: 3 hrs
     - Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs
     - Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   - Select two courses from Historical Foundations 6 hrs
   - Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
     - Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
     - Prefer ECO 2023 Principles of Microeconomics or 3 hrs
   - Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists I GEP 4 hrs
   - Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
   - These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CpE major courses, a 2.0 (C or better) in each course is required for those courses indicated.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 1MAC Calculus with Analytic Geometry I GEP 3 hrs
   - 1MAC Calculus with Analytic Geometry II 4 hrs
   - 1MAC Calculus with Analytic Geometry III 4 hrs
   - 1MAP Ordinary Differential Equations I 3 hrs
   - 1PHY 2048C Physics for Engineers & Scientists I GEP 4 hrs
   - 1PHY 2049C Physics for Engineers and Scientists II 4 hrs
   - Select 1: 4 hrs
     - 2CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
     - CHM 2045C Chemistry Fundamentals I 4 hrs
   - 1 A “C” (2.0) or better is required in this course.
   - 2 Preferred

3. Core Requirements: Basic Level (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.
   - EGN 1006C Introduction to the Engineering Profession 1 hr
   - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (57 hrs)
   - Engineering Core 6 hrs
     - EGN 3310 Engineering Analysis-Statics 3 hrs
     - STA 3032 Probability and Statistics for Engineers GEP 3 hrs
   - Select 1: 3 hrs
     - EGN 3321 Engineering Analysis-Dynamics or 3 hrs
     - EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 51 hrs
   - COT 3100C Introduction to Discrete Structures 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3603C Computer Science II 4 hrs
   - COP 3330 Object Oriented Programming 3 hrs
   - COP 4331C Processes for Object-Oriented Software Development 4 hrs
   - EEL 3004 Electrical Networks 3 hrs
   - EEL 3123C Networks and Systems 4 hrs
   - EEE 3307C Electronics I 4 hrs
   - EEE 3342C Digital Systems 3 hrs
   - EEL 3801C Computer Organization 3 hrs
   - EEL 4742C Embedded Systems 4 hrs
   - EEL 4763 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 (6 hrs)
   - Technical electives are available in the BScpE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
   - EEL 4914 Senior Design I 3 hrs
   - EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None
   - 8. Electives
     - None
   - 9. Additional Requirements
     - Computer engineering students must earn at least 32 hours in residence at UCF.
   - 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 162
Engineering Leadership
Mathematics
Physics

Advising Notes
- Each engineering student should meet regularly with an academic advisor in the major department.
- Students are assumed to have knowledge of a higher level programming language (C preferred).
- The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses

Plan of Study (128 hrs)
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall
- EGN 1008C - Introduction to the Engineering Profession: 1 hr
- MAC 2311 - Calculus with Analytic Geometry I: 4 hrs
- GEP - Historical Foundation: 3 hrs
- GEP - Science Foundation: 3 hrs

Select 1
- SPC 1603 - Fundamentals of Technical Presentations: 3 hrs
- SPC 1608 - Fundamentals of Oral Communication: 3 hrs

Freshman Year - Spring
- EGN 1007C - Engineering Concepts and Methods: 1 hr
- ENC 1102 - Composition II: 3 hrs
- MAC 2312 - Calculus with Analytic Geometry II: 4 hrs
- PHY 2048C - Physics for Engineers & Scientists I: 4 hrs
- COT 3100C - Introduction to Discrete Structures: 3 hrs

Sophomore Year - Fall
- EGN 3211 - Engineering Analysis and Computation: 3 hrs
- EGN 3310 - Engineering Analysis-Statistics: 3 hrs
- MAC 2313 - Calculus with Analytic Geometry III: 3 hrs
- GEP - Historical Foundation: 3 hrs

Sophomore Year - Spring
- EEL 3004 - Electrical Networks: 3 hrs
- EEE 3307C - Electronics I: 4 hrs
- EEL 3801C - Computer Organization: 3 hrs
- GEP - Cultural Foundation: 3 hrs

Junior Year - Fall
- COP 3330 - Object Oriented Programming: 3 hrs
- COP 3502C - Computer Science I: 3 hrs
- STA 3032 - Probability and Statistics for Engineers: 3 hrs
- EEE 3307C - Electronics I: 4 hrs

Select 1:
- EGN 3321 - Engineering Analysis-Dynamics or Thermodynamics: 3 hrs

Junior Year - Spring
- COP 3503C - Computer Science II: 4 hrs
- EEL 4742C - Embedded Systems: 4 hrs
- COP 4331C - Processes for Object-Oriented Software Development: 3 hrs

Senior Year - Fall
- EEL 4788 - Computer Architecture: 3 hrs
- EEL 4914 - Senior Design I: 3 hrs
- Restricted Elective: 3 hrs

Senior Year - Spring
- COP 4602 - 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $28 per term
- Full-Time Student: $55 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
Julie Fars
Phone: 407-823-3327

Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

Admission Requirements
- None

Degree Requirements
- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam.
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from Computer Science at UCF.
- 18 of the 24 Residency hours must be at the 4000-5000 level.
- Students must earn at least a 2.0 in each course 2-5.

1. UCF General Education Program (GEP) (39 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I: 3 hrs
   Required ENC 1102 Composition II: 3 hrs

Select 1: (3 hrs)
- SPC 1603 - Fundamentals of Technical Presentations: 3 hrs
UCF Degree Programs

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)
  Preference BSC 2010C Biology I 4 hrs
  Preference PHY 2048C Physics for Engineers & Scientists I 4 hrs

2. Common Program Prerequisites (CPP) (17 hrs)
   ■ A “C” (2.0) or better is required in all courses in this area.
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   ■ COP 3223 Introduction to Programming with C 3 hrs
   ■ MAC 2311C Calculus with Analytic Geometry I GEP
   ■ MAC 2312 Calculus with Analytic Geometry II 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 CPP.
   ■ Prefer BSC 2010C Biology I or GEP
   ■ Prefer COP 3223 Introduction to Programming with C or GEP

3. Core Requirements: Basic Level (25 hrs)
   ■ A “C” (2.0) or better is required in all courses in this area.
   ■ STA 2023 Statistical Methods I GEP
   ■ COP 3330 Object Oriented Programming 3 hrs
   ■ COP 3502C Computer Science I 3 hrs
   ■ COP 3503C Computer Science II 4 hrs
   ■ ENC 3241 Writing for the Technical Professional 3 hrs
   ■ CDA 3103 Computer Logic and Organization 3 hrs
   ■ COP 3503C Computer Science II 4 hrs
   ■ ENC 3241 Writing for the Technical Professional 3 hrs
   ■ CHM 2046 Chemistry Fundamentals II or 3 hrs
   ■ CHM 2045C Chemistry Fundamentals I or 4 hrs
   ■ PHY 3101 Physics for Engineers and Scientists I 3 hrs
   ■ PHY 3101 Physics for Engineers and Scientists I 3 hrs

4. Core Requirements: Advanced Level (20 hrs)
   ■ A “C” (2.0) or better is required in all courses in this area.
   ■ Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.
   ■ COP 4331C Processes for Object-Oriented Software Development 4 hrs
   ■ EEL 4768 Computer Architecture 3 hrs
   ■ COP 4201C Programming Languages I 3 hrs
   ■ COP 4020 Programming Languages I 3 hrs
   ■ COP 4600 Operating Systems 3 hrs
   ■ COP 4810 Topics in Computer Science 3 hrs

5. Restricted Electives (15 hrs)
   ■ A “C” (2.0) or better is required in all courses in this area.
   4000-5000 level Computer Science courses 9 hrs
   ■ Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).
   Advanced mathematics or statistics 6 hrs
   ■ Choose at least two courses from the following list of approved choices to satisfy this requirement:
   ■ Any 4000-5000 level courses with STA, MAP, MAA, MAD or MAS prefixes, except independent study hours, internship, or cooperative education hours.
   ■ MAC 2313 Calculus with Analytic Geometry III 4 hrs
   ■ MAP 2302 Ordinary Differential Equations I 3 hrs
   ■ MAS 3105 Matrix and Linear Algebra 4 hrs
   ■ MAS 3106 Linear Algebra 4 hrs

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
Admissions
   ■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation
   ■ Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.
8. Electives
   ■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
9. Additional Requirements
   ■ None
10. Required Minors
   ■ None
11. Departmental Exit Requirements
   ■ Complete an exit survey
   ■ Computer Competency met by completion of major
12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   ■ Complete the General Education Program, the Gordon Rule, 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 taken at community colleges do not substitute for Upper Division courses
   ■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   ■ None

Plan of Study

Freshman Year - Fall 12 hrs
   ENC 1101 Composition I 3 hrs
   SPC 1603 Fundamentals of Technical Presentations 3 hrs
   COP 3223 Introduction to Programming with C 3 hrs
   COP 3100C Introduction to Discrete Structures 3 hrs

Freshman Year - Spring 13 hrs
   ENC 1102 Composition II 3 hrs
   MAC 2311C Calculus with Analytic Geometry I 4 hrs
   COP 3502C Computer Science I 3 hrs
   CDA 3103 Computer Logic and Organization 3 hrs
   COP 3960 CS Foundation Exam 0 hrs

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Freshman Year - Summer 7 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
COP 3330 Object Oriented Programming 3 hrs

Sophomore Year - Fall 14 hrs
COP 3402 Systems Software 3 hrs
COP 3503C Computer Science II 4 hrs
PHY 2049C Physics for Engineers & Scientists I 4 hrs
GEP 3 hrs

Sophomore Year - Spring 14 hrs
COP 4331C Processes for Object-Oriented Software Development 4 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
CIS 3380 Security in Computing 3 hrs

Sophomore Year - Summer 6 hrs
STA 2023 Statistical Methods I 3 hrs
GEP 3 hrs

Junior Year - Fall 14 hrs
EEL 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 4600 Operating Systems 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
Math/Stat Restricted Elective 3 hrs
CS Restricted Elective 3 hrs

Junior Year - Summer 3 hrs
COT 4210 Discrete Structures II 3 hrs

Senior Year - Fall 12 hrs
COT 4810 Topics in Computer Science 3 hrs
CS Restricted Elective 3 hrs
GEP 3 hrs
Free Elective 3 hrs

Senior Year - Spring 12 hrs
CS Restricted Elective 3 hrs
GEP 3 hrs
Math/Stat Restricted Elective 3 hrs
Multicultural Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $9 per term
- Full-Time Student: $18 per term

Construction Engineering (B.S.Con.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carol.pohl@ucf.edu
Dr. Amr A. Oloufa, 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 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 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 2311 and PHY 2048/48L also satisfy UCF GEP.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

A grade of “C” (2.0) or better is required in each course in this section.

MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select one of the following sequences of courses:
- Preferred course
  CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- First alternative
  Select both of the following:
  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)
EGN 1003C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

UCF Degree Programs
4. Core Requirements: Advanced Level (60 hrs)

- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EGN 3613 Engineering Economic Analysis 2 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CCE 4034 Construction Estimating and Scheduling 3 hrs
- CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs

CCE 4402 Construction Equipment and Productivity 3 hrs
- CCE 4004 Construction Methods 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CGN 3700C Civil Engineering Measurements 4 hrs
- CWR 4632C Water Resources Engineering I 4 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- 1 CES 4100C Structural Analysis I and Lab 4 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
  - CCE 4810C Construction Design Project 3 hrs
  - CGN 4806C CECE Capstone Design 3 hrs

1. A ‘C’ (2.0) or better is required in this course.

7. Foreign Language Requirements

Admissions

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

Graduation

- None

8. Electives

- None

9. Additional Requirements

- Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Civil Engineering
- Environmental Engineering

Certificates

- None

Related Minors

- Mathematics
- Engineering Leadership
- Business

Advising Notes

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

- The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

Transfer Notes

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (128 hrs)

- 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
- EGN 1006C Introduction to the Engineering Profession 1 hr

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr

Sophomore Year - Fall 16 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- GEP 3 hrs

Sophomore Year - Spring 16 hrs
- 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  
CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs  
STA 3032 Probability and Statistics for Engineers 3 hrs  

Junior Year - Spring  
CCE 4040 Construction Design Project 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  
CCE 4005 Steel Structures or 3 hrs  
CCE 4702 Reinforced Concrete Structures 3 hrs  

Senior Year - Fall  
CCE 4810C Construction Design Project 3 hrs  
CWR 4632C Water Resources Engineering I 4 hrs  
Approved Technical Elective 3 hrs  
Select 1:  
CEG 4011 Geotechnical Engineering I or 3 hrs  
TTE 3810 Highway Engineering 3 hrs  

Senior Year - Spring  
CGN 4808C CECE Capstone Design 3 hrs  
AGC 2071 Principles of Managerial Accounting 3 hrs  
GEP 3 hrs  

Select 1:  
- Take subsequent course to one selected in Fourth Year Fall.  
- CEG 4012 Geotechnical Engineering II or 3 hrs  
- TTE 4274 Transportation Engineering Systems 3 hrs  

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

Equipment Fees  
- Part-Time Student: $33 per term  
- Full-Time Student: $66 per term  

Criminal Justice (B.A. / B.S.)  
College of Health and Public Affairs  
Department of Criminal Justice, Health and Public Affairs, Room: 311  
http://www.cohpa.ucf.edu/crim jus/  
Email: cjadvise@mail.ucf.edu  
Mary Ann Eastep  
Phone: 407-823-2603  

Admission Requirements  
- None  

Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog.  
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.  
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.  
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.  
- Students must earn a grade of C- (1.75) or better in each core course.  

1. UCF General Education Program (GEP) (36 hrs)  
A: Communication Foundations (9 hrs)  
B: Cultural & Historical Foundations (9 hrs)  
C: Mathematical Foundations (6 hrs)  
Select 1: (3 hrs)  
- Suggested CGS 1065 Introduction to Computer Science or 3 hrs  
- Suggested STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs  
- Suggested STA 2014C Principles of Statistics 3 hrs  
Select 1: (3 hrs)  
- Suggested MGF 1106 Finite Mathematics or 3 hrs  
- Suggested MGF 1107 Explorations in Mathematics 3 hrs  

2. Social Foundations (6 hrs)  

D: Social Foundations (6 hrs)  

E: Science Foundations (6 hrs)  

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 3024 Criminal Justice System 3 hrs  
- CCJ 3014 Crime in America 3 hrs  
- CJL 3510 Prosecution and Adjudication 3 hrs  
- CJC 3010 Corrections and Penology 3 hrs  
- CJE 4014 Police and Society 3 hrs  
- CCJ 4701 Research Methods in Criminal Justice 3 hrs  
- CCJ 4746 Data Analysis for Criminal Justice 3 hrs  

5. Restricted Electives (39 hrs)  
- 27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours.  
- Program standards must be met to be eligible for either internship or independent study credit.  
- 12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the department with a minimum of 15 semester hours credit.  

6. Capstone Requirements  
- None  

7. Foreign Language Requirements  
- Admissions  
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.  
- Graduation  
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.  

8. Electives  
- None  

9. Additional Requirements  
- None  

10. Required Minors  
- None  

11. Departmental Exit Requirements  
- Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.  

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded
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
- Interested students should consult with a faculty advisor.

Related Programs
- Legal Studies
- Certificates
- None

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- “D” (1.0) grades are not accepted.
- Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs

Select 1:
- MGF 1106 Finite Mathematics or 3 hrs
- MAC 1105C College Algebra 3 hrs

Select 1:
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

Select 1:
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs

Select 1:
- PSC 1121 Physical Science or 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs

Select 1:
- PHI 2010 Introduction to Philosophy or 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs

Select 1:
- ARH 2050 History of Western Art I or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Free Elective 3 hrs

Select 1:
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1:
- BSC 1005 Biological Principles of Science 3 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering or 3 hrs
- GLY 1030 Geology and its Applications or 3 hrs

Select 1:
- POS 2041 American National Government or 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

Sophomore Year - Spring
- CJU 3024 Criminal Justice System 3 hrs
- CJU 3014 Crime in America 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- CJ Elective 3 hrs

Junior Year - Fall
- CJO 3510 Prosecution and Adjudication 3 hrs
- CJU 3010 Corrections and Penology 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- CJ Elective 3 hrs

Junior Year - Spring
- CJE 4014 Police and Society 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Senior Year - Fall
- CCJ 4746 Data Analysis for Criminal Justice 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Core Course 0 hrs

Senior Year - Spring
- CCJ Internship 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- CCJ Internship 3 hrs

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

Criminal Justice Scholar’s Track (B.A. / B.S.)

College of Health and Public Affairs

Department of Criminal Justice and Legal Studies, Health and Public Affairs 1, Room: Room 311
http://www.coahpa.ucf.edu/rim.jus/
Email: cjadvise@ucf.edu
Mary Ann Eastep, UG Program Coordinator
Phone: 407-823-2603

Admission Requirements
- An application is required. Minimum GPA of 3.0 for Admission.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Select 1
Suggested CGS 1060C Introduction to Computer Science or STA 1063C Basic Statistics Using Microsoft Excel or STA 2045C
Select 1
Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics (3 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP)
…
3. Core Requirements: Basic Level
…
4. Core Requirements: Advanced Level (33 hrs)
…
5. Restricted Electives (27 hrs)
…
6. Capstone Requirements
…
7. Foreign Language Requirements Admissions
…
8. Electives
…
9. Additional Requirements
…
10. Required Minors
…
11. Departmental Exit Requirements
…
Digital Media (B.A.)

College of Arts and Humanities

School of Visual Arts and Design,
12461 Research Parkway, OTC 500
http://svad.cah.ucf.edu/

Phone: 407-823-2676

The B.A. in Digital Media allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations - Game Design and Web Design - lead to a Bachelor of Arts degree.

Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Digital Media Core: Basic

DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 2108C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs

Game Design: Basic Concentration

DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3480C Computer as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 4790C Modeling for Realtime Systems 3 hrs

Game Design: Restricted Electives

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.

Game Design Workshop 6 hrs

Web Design 42 hrs
Web Design: Basic Concentration 24 hrs
DIG 3134 Media Software Design and 3 hrs
DIG 3563 Information Management and 3 hrs
Entrepreneurship and 3 hrs
DIG 3716C Internet Interaction and 3 hrs
GRA 3803C Intermediate Computer Graphic Design and 3 hrs
DIG 3811 User-Centered Design and 3 hrs
DIG 4503 Rapid Application Web Development and 3 hrs
DIG 4530C Media for e-Commerce and 3 hrs
DIG 4630C Media Business Practices 3 hrs
Web Design: Restricted Electives 18 hrs
- Complete 18 hours of credits from the following areas:
  - Note: DIG 4104C must be taken at least two times. It is repeatable for credit.
12 additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school. and
DIG 4104C Web Design Workshop 6 hrs

5. Restricted Electives
- None
6. Capstone Requirements
- None
7. Foreign Language Requirements
Admissions
- Met by graduation requirement.
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the 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
- 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

Advising Notes
- None

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

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Early Childhood Development and Education Track
1: Education: Pre-Kindergarten - Primary (PK-3)
(B.S.)

College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
Email: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, Judith.Levin@ucf.edu
Phone: 407-823-4615

EDUCATION: PRE-KINDERGARTEN-PRIMARY (PK-3) TRACK
Early Childhood Development and Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in the Education: Pre-Kindergarten-Primary (Pre-K-3rd) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL Endorsement and Reading Endorsement. Students in this track take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Pass all four parts of the General Knowledge Test.
- 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.
UCF Degree Programs

- Passing score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites. FTCE General Knowledge Test (GKT)-passing scores on the GKT is required prior to admission to the major. FTCE Professional Education Test (PED) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- FTCE General Knowledge Test (GKT) - passing scores on the GKT is strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (PED) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

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

   B: Cultural & Historical Foundations (9 hrs)
   - General Education Program elective from section B2: 3 hrs
   - Prefer REL 2300 World Religions or 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy or 3 hrs
   - Prefer LIT 2110 World Literature I or 3 hrs
   - Prefer LIT 2120 World Literature II 3 hrs
   - General Education Program elective from section B1 3 hrs
   - General Education Program elective: Prefer a second course from GEP section B1

   C: Mathematical Foundations (6 hrs)
   - Select 1: STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - Prefer STA 2014C Principles of Statistics 3 hrs

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

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

   E: Science Foundations (6 hrs)
   - Prefer PSC 1121 Physical Science 3 hrs

   Select 1: ANT 2511 The Human Species or 3 hrs
   - Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs

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

3. Core Requirements: Basic Level (15 hrs)
   - Other Program Prerequisites
     - 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
     - 1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
     - EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs

   Select 1: MAC 1105C College Algebra or 3 hrs
   - MAE 2801 Elementary School Mathematics 4 hrs

   Select 1: ARE 2000 Early Childhood Art and Creativity or 3 hrs
   - MUE 2211 Early Childhood Music and Movement 3 hrs

   2 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)
   - All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.

   Semester I 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 4601 Early Childhood Education Theory and Practice 3 hrs
   - RED 3310 Early Reading, Writing and Language Arts 3 hrs
   - EEX 4751 Parent Involvement in Education 3 hrs
   - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
   - Students in Schools

   Semester II 15 hrs
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.
   - EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
   - EEC 4207 Assessment and Evaluation of Young Children 3 hrs
   - TSL 4240 Issues in Second Language Acquisition 3 hrs
   - EEC 4268 Curriculum Activities in Early Childhood 3 hrs
   - EEX 3450 Young Children With Special Needs 3 hrs

   Summer 6 hrs
   - Passing score on the Subject Area Examination (Pre-kindergarten/Primary PK-3) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship.
   - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
   - RED 3012 Basic Foundations of Reading 3 hrs

   Semester III 12 hrs
   - Based on recommendations below, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Student Teaching (EEC 4943 Internship).
   - Students must apply and be approved for Internship.
   - Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
   - MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
   - SCE 4304 Teaching Science and Technology to Young Children 3 hrs
   - RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
   - EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs
### Semester IV 12 hrs
- Satisfactory completion of Internship requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- EEC 4943 Student Teaching 12 hrs

### 5. Restricted Electives
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

**Admissions**
- State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**
- None

### 8. Electives
- None

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites.

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

### Total Semester Hours Required
- 120

### Freshman Year - Fall 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

### Freshman Year - Spring 15 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- PSC 1121 Physical Science 3 hrs

**Select 1:**
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

### Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs

**Select 1:**
- ARE 2000 Early Childhood Art and Creativity or 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

### Sophomore Year - Fall 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

**Select 1:**
- BSC 1005 Biological Principles or 3 hrs
- ANT 2511 The Human Species 3 hrs

**Select 1:**
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- GEP B1 Elective (Pref AMH 2010) 3 hrs

### Sophomore Year - Spring 12 hrs

1. EDF 2130 Child and Adolescent Development for Educators 3 hrs
2. EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
3. EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
4. GEP B3 Elective (Pref AMH 2020) 3 hrs

1. Courses taken at community colleges may substitute for select courses with the permission of the department.

### Sophomore Year - Summer
- Satisfactory completion of the CLASP requirement and/or 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 test sites.

### Junior Year - Fall 15 hrs
- Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE - Refer to http://www.fldoe.org for test dates and test sites.
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- EEX 4260 Issues in Second Language Acquisition 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
Early Childhood Development and Education Track 2: Early Childhood Development (B.S.)

College of Education

Department of Child, Family and Community Sciences, Education Complex, Room: 209
http://education.ucf.edu/ece/
Email: ece@ucf.edu
Dr. Judy Levin, 122L, Judith.Levin@ucf.edu, 407-823-4615
Phone: 407-823-4615

Early Childhood Development and Education Track

EARLY CHILDHOOD DEVELOPMENT TRACK Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete Child Development prerequisite courses with a minimum letter grade of "C" (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by email (ece@ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a "C" (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.

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

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

B: Cultural & Historical Foundations (9 hrs)
- General Education Program elective from section B2:
  - Prefer REL 2300 World Religions or
  - Prefer PHI 2100 Introduction to Philosophy or
  - Prefer LIT 2110 World Literature I or
  - Prefer LIT 2120 World Literature II
  - General Education Program elective from section B1 to meet Gordon Rule Requirement.
  - General Education Program elective: Prefer a second course from GEP section B1.

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer MGF 1106 Finite Mathematics or
  - Prefer MGF 1107 Explorations in Mathematics
- Select 1: 3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or
  - Prefer STA 2014C Principles of Statistics

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

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science
- Select 1: 3 hrs
  - Prefer ANT 2511 The Human Species or
  - Prefer BSC 1005 Biological Principles

2. Common Program Prerequisites (CPP) (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

E: Science Foundations
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or
- Prefer STA 2014C Principles of Statistics

3. Core Requirements: Basic Level (15 hrs)
- MUE 2211 Early Childhood Music and Movement
- ARE 2000 Early Childhood Art and Creativity
- SYG 2010 Social Problems
- EEC 2732 Health, Safety, and Nutrition for Young Children
- EEC 2733 Early Childhood Development Seminar: Bridging Theory to Practice

Select 1: 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children
- EEC 4303 Planning Creative Activities in Early Childhood

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
- EEC 4661 Early Childhood Education Theory and Practice
- RED 3310 Early Reading, Writing and Language Arts
- EEX 4751 Parent Involvement in Education
- LIN 3713 Language Science

Semester II 15 hrs
- EEC 4604 Classroom Management and Guidance of Young Children
- EEC 4207 Assessment and Evaluation of Young Children
University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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 - Assessing I: Human Development 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 community colleges may substitute for select courses in prerequisites with the permission of the department.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall

- EDF 2085 - Introduction to Diversity for Educators
- ENC 1101 - Composition I
- MGF 1106 - Finite Mathematics

Freshman Year - Spring

- EDF 2085 - Introduction to Diversity for Educators
- ENC 1101 - Composition I
- SYG 2010 - Social Problems
- PSC 1121 - Physical Science

Freshman Year - Summer

- ARE 2000 - Early Childhood Art and Creativity
- MUE 2211 - Early Childhood Music and Movement

Sophomore Year - Fall

- Transfer Note: Courses taken at community colleges may substitute for select courses with the permission of the department.

Sophomore Year - Spring

- EDF 2130 - Child and Adolescent Development for Educators
- DEP 2004C - Developmental Psychology
- POS 2041 - American National Government
- GEP B3 elective
UCF Degree Programs

A: Communication Foundations (9 hrs)

Junior Year - Fall
EEC 3700 Social and Emotional Development of Young Children 3 hrs
EEC 4661 Early Childhood Education Theory and Practice 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs
EEX 4751 Parent Involvement in Education 3 hrs
LIN 3713 Language Science 3 hrs

Junior Year - Spring
EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
EEC 4207 Assessment and Evaluation of Young Children 3 hrs
LAE 3414 Literature for Children 3 hrs
EEC 4402 Cultural and Family Systems 3 hrs
EEC 3450 Young Children With Special Needs 3 hrs

Junior Year - Summer
EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
EEC 4528 Infant/Toddler Care and Education 3 hrs

Senior Year - Fall
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
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/alc/academic_learning_compacts.htm

Economics (B.A.)
College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
Nora Underwood, BA2 302N, 407-823-1403
David Scrogin, BA2 302U, 407-823-1405
Phone: 407-823-3266

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education. Flexibility to select from a variety of courses allows students to customize their education to their personal interests and career goals. These courses can be coupled with a minor from many different Colleges to create a unique program for each student. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program allows students to customize their education to their personal interests and career goals. These courses can be coupled with a minor from many different Colleges to create a unique program for each student. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics. Not eligible for a double degree with the BSBA in Economics.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.
- General Education Program and Common Program Prerequisite courses are usually completed in the first 60 hours

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

A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Required STA 2023 Statistical Methods I 3 hrs
Prefer MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)
Select 1: ECO 2013 Principles of Macroeconomics 3 hrs or ECO 2023 Principles of Microeconomics 3 hrs
Select 1: ECO 3101 Intermediate Microeconomics 3 hrs or ECO 3203 Intermediate Macroeconomics 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
- None

4. Core Requirements: Advanced Level (12 hrs)
- ECO 3411 Quantitative Business Tools II 4 hrs or STA 4163 Statistical Methods II 3 hrs or STA 4321 Statistical Theory I 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 STA 2023 Statistical Methods I 3 hrs
- Students must receive a “C” (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401

Select one of the following sequences of courses:
- ECO 3411 Quantitative Business Tools II 4 hrs or STA 4163 Statistical Methods II 3 hrs or STA 4321 Statistical Theory I 3 hrs

5. Restricted Electives (21 hrs)
- All B.A. Economics majors will be required to take a minimum of seven (7) electives by choosing from the following:

6. Capstone Requirements (3 hrs)
- ECO 4934 Topics on Econometrics 3 hrs

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

- ECO 3410 Mathematical Economics 3 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECO 4504 Public Economics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECO 4751 Law and Economics 3 hrs
- ECP 3203 Labor Economics 3 hrs
- ECP 4303 Environmental and Natural Resource Economics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs
- ECS 4013 Development Economics 3 hrs
- ECO 4934 Topics on Econometrics 3 hrs

Phone: 407-823-3266
7. Foreign Language Requirements

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

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

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Students may select a minor from any of the authorized minors listed in the UCF Undergraduate Catalog. Students are strongly encouraged to consult with an advisor about the choice of a minor that is compatible with their career interests.

11. Departmental Exit Requirements
- Students majoring in Economics must earn a grade of "C" (2.0) or better in every course applied towards the major as well as a 2.0 overall average in the major.
- Computer Competency met by Research Methods course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, 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
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Free Elective 3 hrs
- Cultural History 3 hrs

Freshman Year - Spring
- 1 ECO 2023 Principles of Microeconomics 3 hrs
- 1 ENC 1102 Composition II 3 hrs
- 1 STA 2023 Statistical Methods I 3 hrs
- Cultural History 2 3 hrs
- Art, Music, or Lit 3 hrs
- 1 "C" (2.0) or better grade required in each class

Sophomore Year - Fall
- 2 ECO 3401 Quantitative Business Tools I 3 hrs
- Foreign Language 4 hrs
- Science Elective 3 hrs
- Free Elective 3 hrs
- 1 "C" (2.0) or better grade required in each class
- 2 (if no prior Calculus)

Sophomore Year - Spring
- ECO 3101 Intermediate Microeconomics 3 hrs
- Foreign Language 4 hrs
- PSY/ANT/SOC 3 hrs
- Science Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Fall
- ECO 3411 Quantitative Business Tools II 4 hrs
- ECO Elective 3 hrs
- 2 Elective / Minor 3 hrs
- Free Elective 3 hrs
- 1 (or STA 4163 or STA4321)
- 2 18 hours (minimum) of minor required.

Junior Year - Spring
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- 1 Elective / Minor 3 hrs
- 1 Elective / Minor 3 hrs
- Free Elective 3 hrs
- 1 18 hours (minimum) of minor required.

Senior Year - Fall
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- Free Elective 3 hrs
- 1 Elective / Minor 3 hrs
- 1 Elective / Minor 3 hrs
- 1 Elective / Minor 3 hrs
- 1 18 hours (minimum) of minor required.

Senior Year - Spring
- ECO Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- ECO Elective 3 hrs
- ECO 4934 Topics in Econometrics 3 hrs
- 1 18 hours (minimum) of minor required.

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term
The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.

**Admission Requirements**

- See Common Program Prerequisites
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida Public Community College
- Not eligible for a double degree with another College of Business Administration major or a BA in Economics
- Students in the Business Economics major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Economics courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Economics courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Economics courses in the subsequent term, that student will be dropped as a Business Economics major. A student who is dropped may seek re-admittance as a Business Economics major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Economics GPA of 2.0 or higher. Readmission is not automatic.

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

<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>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MAC 1105C College Algebra</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preferred MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested ECO 2023 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:** (3 hrs)

| Suggested ANT 2000 General Anthropology or | 3 hrs |
| Suggested PSY 2012 General Psychology or | 3 hrs |
| Suggested SUG 2000 Introduction to Sociology | 3 hrs |

**Select 1:** (3 hrs)

**Select one of the following sequences of courses:**

- Students must receive a “C” (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401.
- ECO 3401 Quantitative Business Tools I 3 hrs
- or
- 1 MAC 2233 Concepts of Calculus and 3 hrs
- STA 2023 Statistical Methods I 3 hrs

| 1 or any Calculus 1 & 2 sequence | |

**2. Core Requirements: Basic Level**

- None

**3. Core Requirements: Advanced Level** (38 hrs)

| BUL 3130 Legal and Ethical Environment of Business | 4 hrs |
| ECO 3411 Quantitative Business Tools II | 4 hrs |
| FIN 3403C Business Finance | 4 hrs |
| ECO 3301 Cornerstone: Professional Skills for Business | 3 hrs |
| GEB 3031 Cornerstone Lab: Professional Skills for Business | 1 hr |
| GEB 3375 Introduction to International Business | 4 hrs |
| MAN 3025 Management of Organizations | 4 hrs |
| MAR 3023 Marketing | 4 hrs |
| MAR 3203 Supply Chain and Operations Management | 4 hrs |

| 1 Must be taken in 1st or 2nd semester. |

**Required Major Courses** 6 hrs

| ECO 3101 Intermediate Microeconomics | 3 hrs |
| ECO 3203 Intermediate Macroeconomics | 3 hrs |

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

- All B.S.B.A. economics majors will be required to take six (6) electives by choosing from the following:

| ECO 3223 Money and Banking | 3 hrs |
| ECO 3410 Mathematical Economics | 3 hrs |
| ECO 3703 International Microeconomics | 3 hrs |
| ECO 3704 Global Economic Policy | 3 hrs |
| ECO 4303 History of Economic Thought | 3 hrs |
| ECO 4412 Econometrics | 3 hrs |
| ECO 4504 Public Economics | 3 hrs |
| ECO 4713 International Macroeconomics | 3 hrs |
| ECO 4761 Law and Economics | 3 hrs |
| ECP 3203 Labor Economics | 3 hrs |
| ECP 4303 Environmental and Natural Resource Economics | 3 hrs |
| ECP 4403 Industrial Organization and Game Theory | 3 hrs |
| ECS 4013 Development Economics | 3 hrs |
| ECO 4934 Topics in Econometrics | 3 hrs |

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

| ECO 3410 Mathematical Economics | 3 hrs |
| ECO 3703 International Microeconomics | 3 hrs |
| ECO 4412 Econometrics | 3 hrs |
| ECO 4504 Public Economics | 3 hrs |
| ECP 4403 Industrial Organization and Game Theory | 3 hrs |
| ECO 4934 Topics in Econometrics | 3 hrs |

| 1 This course is taken in the graduating term and requires the following prerequisites: FIN 3403C, GEB 3031, GEB 3031L, MAN 3025, MAR 3023 | |
7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- Special College and/or Departmental Requirements
- Must complete all Gordon Rule requirements prior to admission to this degree.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during Exam Week.
- Students must have at least a 2.0 GPA in the COB and major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students majoring in Business Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Economics
- Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

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

Acceptable Substitutes for Transfer Courses
- ACG 2021- Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study
- Business Economics

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cultural History 3 hrs
- Free Elective 3 hrs

Freshman Year - Spring 15 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ENC 1102 Composition II 3 hrs
- CGS Computer Fundamentals for Business 3 hrs
- 2100C 3 hrs
- Cultural History 2 3 hrs
- Art, Music, or Literature 3 hrs

Sophomore Year - Fall 15 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Free Elective 3 hrs
- Science 3 hrs

Sophomore Year - Spring 15 hrs
- ECO 3101 Intermediate Microeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- Science 3 hrs
- Free Elective 3 hrs
- PSY/ANT/SOC 3 hrs

Junior Year - Fall 15 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- MAR 3023 Marketing 4 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Junior Year - Spring 15 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- FIN 3403C Business Finance 4 hrs
- Economics Elective 3 hrs
## UCF Degree Programs

### Electrical Engineering (B.S.E.E.)

**College of Engineering and Computer Science**  
**Department of Electrical Engineering and Computer Science**  
**Harris Corp. Engineering Center, Room: 346**  
[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

**Email:** undergraduate@eecs.ucf.edu  
Dr. Samuel Richie  
Charlese Hilton-Brown  
Phone: 407-823-3327

### Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

### Degree Requirements

- **None**

1. **UCF General Education Program (GEP) (38 hrs)**
   - The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

   **A: Communication Foundations (9 hrs)**
   - Required ENC 1101 Composition I 3 hrs  
   - Required ENC 1102 Composition II 3 hrs
   - **Select 1:** 3 hrs  
     - Prefer SPC 1603 Fundamentals of Technical Presentations or  
     - Suggested SPC 1608 Fundamentals of Oral Communication

   **B: Cultural & Historical Foundations (9 hrs)**
   - Select two courses from Historical Foundations 6 hrs  
   - Select one class from Cultural Foundations 3 hrs

   **C: Mathematical Foundations (7 hrs)**
   - Required MAC 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  
     - Prefer ECO 2023 Principles of Microeconomics 3 hrs  
     - Select one class from Social Foundations 3 hrs

2. **Common Program Prerequisites (CPP) (19 hrs)**
   - These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

   - 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 2048C Physics for Engineers & Scientists I GEP
   - PHY 2049C Physics for Engineers and Scientists II 4 hrs
   - MAP 2302 Ordinary Differential Equations I 3 hrs

   **Select 1:** 4 hrs  
   - CHS 1440 Fundamentals of Chemistry for Engineers or  
   - CHM 2045C Chemistry Fundamentals I 4 hrs

3. **Core Requirements: Basic Level (2 hrs)**
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

   - EGN 1006C Introduction to the Engineering Profession 1 hr  
   - EGN 1007C Engineering Concepts and Methods 1 hr

4. **Core Requirements: Advanced Level (53 hrs)**
   - Courses Required for the Engineering Core 9 hrs
   - EGN 3310 Engineering Analysis-Statics 3 hrs  
   - STA 3032 Probability and Statistics for Engineers 3 hrs  
   - PHY 3101 Physics for Engineers and Scientists III 3 hrs
   - **Select 1:** 3 hrs  
     - EGN 3321 Engineering Analysis-Dynamics or  
     - EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

5. **Courses Required for the Major (44 hrs)**
   - EEL 3004 Electrical Networks 3 hrs  
   - EEL 3123C Networks and Systems 4 hrs  
   - EEE 3350 Semiconductor Devices I 3 hrs  
   - EEE 3307C Electronics I 4 hrs  
   - EEE 3342C Digital Systems 3 hrs  
   - EEL 3470 Electromagnetic Fields 3 hrs  
   - EEL 3552C Analog and Digital Communication 4 hrs
   - **Select:** 3 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

6. **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**
   - **Select:** 10 hrs  
     - Technical elective courses are to be selected by the student from department approved courses.

7. **Capstone Requirements (6 hrs)**
   - **Select:** 6 hrs  
     - EEL 4914 and EEL 4915L
7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Electrical engineering students must earn at least 32 hours in residence at UCF.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

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

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Computer Engineering
- Computer Science
- Physics

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Students are assumed knowledge of a higher level programming language (C preferred).

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- EGN 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP- Historical Foundation 3 hrs
- GEP- Science Foundation 3 hrs

Select I
- SPC 1603 Fundamentals of Technical Presentations or 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall
- 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 I
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring
- EGN 3310 Engineering Analysis-Statics 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
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
- EEL 3801C Computer Organization 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 I
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Senior Year - Fall
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Approved Technical Elective 3 hrs
- GEP-Historical Foundation 3 hrs

Senior Year - Spring
- EEL 4915 Senior Design II 3 hrs
- EEE 4309C Electronics II 4 hrs
- Approved Technical Elective 3 hrs
- Approved Technical Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term
Elementary Education (B.S.)

College of Education

School of Teaching, Learning, and Leadership,
Education Complex, Room: 209

http://education.ucf.edu/eledem/

Dr. Karri Williams, Karri.Williams@ucf.edu
Dr. Robert Everett, ED 122M, Robert.Everett@ucf.edu, 407-823-5788

Admission Requirements

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

Degree Requirements

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

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

- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

| Required ENC 1101 Composition I | 3 hrs |
| Required ENC 1102 Composition II | 3 hrs |
| Prefer SPC 1608 Fundamentals of Oral Communication | 3 hrs |

B: Cultural & Historical Foundations (9 hrs)

| Prefer AMH 2010 U.S. History: 1877-Present | 3 hrs |
| Prefer AMH 2020 U.S. History: 1877-Present | 3 hrs |

Select 1: 3 hrs

| Prefer ARH 2050 History of Western Art I or | 3 hrs |
| Prefer ARH 2051 History of Western Art II or | 3 hrs |
| Prefer MUL 2010 Enjoyment of Music | 3 hrs |

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs

| Suggested MAC 1105C College Algebra or | 3 hrs |
| Suggested MAC 1105 College Algebra or | 3 hrs |
| Suggested MGF 1107 Explorations in Mathematics | 3 hrs |

Select 1: 3 hrs

| Prefer STA 1063C Basic Statistics Using 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 2095 Introduction to the Teaching Profession | 3 hrs |
| EDF 2085 Introduction to Diversity for Educators | 3 hrs |
| EME 2040 Introduction to Technology for Educators | 3 hrs |

3. Core Requirements: Basic Level (15 hrs)

| EDF 2130 Child and Adolescent Development for Educators | 3 hrs |
| MAE 2801 Elementary School Mathematics | 4 hrs |
| PET 2081 Wellness, Children and Schools | 1 hr |

Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

Lower Division Electives 7 hrs

- Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination: * MAC 1105 or MGF 1106 (if not taken for the General Education Program) * One associated science lab (BSC 1005L or PSC 121L) * A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

4. Core Requirements: Advanced Level (60 hrs)

- The following recommended sequence of required upper division courses may vary at regional campus locations.

Semester I 15 hrs

| EDG 4410 Teaching Strategies and Classroom Management | 3 hrs |
| EDF 4467 Learning Theory and Assessment | 3 hrs |
| LAE 4314 Literature for Children | 3 hrs |
| RED 3012 Basic Foundations of Reading | 3 hrs |
| TSL 4080 Theory and Practice of Teaching ESO Students in Schools | 3 hrs |

1 Required prior to Internship I

Semester II 15 hrs

| SCE 3310 Teaching Science in Elementary School | 3 hrs |
| SSE 3312 Teaching Social Science in the Elementary School | 3 hrs |
| LAE 4314 Language Arts in the Elementary School | 3 hrs |
| RED 4519 Diagnostic and Corrective Reading | 3 hrs |
| EEX 4070 Teaching Exceptional Students | 3 hrs |

1 Required prior to Internship I

Summer 6 hrs

| EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools | 3 hrs |
| TSL 4240 Issues in Second Language Acquisition | 3 hrs |

Semester III (Internship I Block) 12 hrs

- Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESO Students in Schools.
- Students must apply and be approved for Internship I.
- Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801 RED 4942 Practicum for Assessment and Instruction of Reading MAE 4326 How Children Learn Mathematics RED 3942 Internship I EDE 4223 Integrated Arts and Movement in the Elementary School
1 RED 4942, MAE 4326, and EDE 4943 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

**Semester IV (Internship II)** 12 hrs
- Passing score on the Subject Area Examination (Elementary Education K-6) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- All methods/specialization/foundations courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalxp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

**EDF 4943 Internship II (Elementary)** 12 hrs

**5. Restricted Electives**
- None

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**

**Admissions**
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**
- None

**8. Electives**
- None

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- Achieve a minimum overall 2.5 GPA within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Complete a TESOL notebook as required for ESOL endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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

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### 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
- ARH 2050 History of Western Art I 3 hrs
- MAC 1105C College Algebra 3 hrs

#### Freshman Year - Spring 13 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr

#### Junior Year - Fall 15 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs

#### Junior Year - Spring 14 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs
- STA 2014C Principles of Statistics 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- PET 2081 Wellness, Children and Schools 1 hr

#### Sophomore Year - Fall 15 hrs
- EME 1100 Introduction to Technology for Educators 3 hrs
- ENC 2106 Composition II 3 hrs
- EDF 2131 Literacy in the Elementary School 3 hrs
- EDF 2132 Literacy in the Middle School 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

#### Sophomore Year - Spring 14 hrs
- EME 3300 Teaching Mathematics 3 hrs
- MAE 3335 Teaching Social Science in the Elementary School 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs

#### Junior Year - Fall 15 hrs
- RED 4943 Practicum for Assessment and Instruction 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School 3 hrs
- SSE 4312 Teaching Science in Elementary School 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs

#### Junior Year - Spring 15 hrs
- EDF 4943 Internship II (Elementary) 12 hrs

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**Undergraduate Catalog 2012-2013**

**UNIVERSITY OF CENTRAL FLORIDA**
UCF Degree Programs

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

English - Creative Writing (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
Email: english@ucf.edu
Dr. Patrick Murphy
Phone: 407-823-5596

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students must earn at least a “C” (2.0) in each required course
- Co-op or internship credit cannot be used in the major without prior approval from the department
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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

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

B: Cultural & Historical Foundations
- Prefer LIT 2110 World Literature I 3 hrs
- Prefer LIT 2120 World Literature II 3 hrs
- Select one class from 1.B.1 list 3 hrs

C: Mathematical Foundations
Math: 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)

1 ENC 1101 Composition I GEP
ENC 1102 Composition II GEP

1 See Transfer Notes for possible substitutions. See “Common Prerequisites” in the Transfer and Transition Services section for more information.

3. Core Requirements: Basic Level (9 hrs)

CRW 3013 Creative Writing for English Majors 3 hrs
1 ENG 3014 Theories and Techniques of Literature 3 hrs
CRW 3053 Theory & Practice of Creative Writing 3 hrs

1 This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (12 hrs)

Literary History Requirement
- Choose four courses total from these two groupings

Select at least one of these pre-1865 literature courses.
- Note: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.

Select 1: 3 hrs
- AML 4011 American Novel or 3 hrs
- AML 4315 American Poetry at Mid-Century or 3 hrs
- AML 4341 American Poetry or 3 hrs
- AML 4263 Florida Writers or 3 hrs
- AML 4265 Modern American Literature or 3 hrs
- AML 4273 Modern British Literature or 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- LIT 4303 Post-World War II Fiction or 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs

Select 2: 6 hrs
- CRW 3120 Fiction Writing Workshop or 3 hrs
- CRW 3211 Creative Nonfiction Writing or 3 hrs
- CRW 3310 Poetry Writing Workshop or 3 hrs
- CRW 3610 Writing Scripts 3 hrs

Select 3: 6 hrs
- CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
- CRW 4224 Advanced Nonfiction Writing or 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop 3 hrs

Select 4: 3 hrs
- CRW 3311 Structure of Verse or 3 hrs
- CRW 3540 Literary Magazines or 3 hrs
- CRW 4114 History of Prose Style or 3 hrs
- CRW 3950 Cypress Dome Editorship or 3 hrs
- CRW 4724 The Florida Review or 3 hrs
- CRW 4014 The Writing Life or 3 hrs

5. Restricted Electives (15 hrs)
- Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.

a. Choose two of the following: 6 hrs
- Select 2: 6 hrs
- CRW 3120 Fiction Writing Workshop or 3 hrs
- CRW 3211 Creative Nonfiction Writing or 3 hrs
- CRW 3310 Poetry Writing Workshop or 3 hrs
- CRW 3610 Writing Scripts 3 hrs

b. Choose two of the following: 6 hrs
- Select 2: 6 hrs
- CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
- CRW 4224 Advanced Nonfiction Writing or 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop 3 hrs

A. Literary History Requirement
- Choose four courses total from these two groupings

Select 1: 3 hrs
- AML 4011 American Novel or 3 hrs
- AML 4315 American Poetry at Mid-Century or 3 hrs
- AML 4341 American Poetry or 3 hrs
- AML 4263 Florida Writers or 3 hrs
- AML 4265 Modern American Literature or 3 hrs
- AML 4273 Modern British Literature or 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- LIT 4303 Post-World War II Fiction or 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs

Select 2: 6 hrs
- CRW 3120 Fiction Writing Workshop or 3 hrs
- CRW 3211 Creative Nonfiction Writing or 3 hrs
- CRW 3310 Poetry Writing Workshop or 3 hrs
- CRW 3610 Writing Scripts 3 hrs

Select 3: 6 hrs
- CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
- CRW 4224 Advanced Nonfiction Writing or 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop 3 hrs

Select 4: 3 hrs
- CRW 3311 Structure of Verse or 3 hrs
- CRW 3540 Literary Magazines or 3 hrs
- CRW 4114 History of Prose Style or 3 hrs
- CRW 3950 Cypress Dome Editorship or 3 hrs
- CRW 4724 The Florida Review or 3 hrs
- CRW 4014 The Writing Life or 3 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 3 hrs
- CRW 3211 Creative Nonfiction Writing or 3 hrs
- CRW 3310 Poetry Writing Workshop or 3 hrs
- CRW 3610 Writing Scripts 3 hrs

b. Choose two of the following: 6 hrs
- Select 2: 6 hrs
- CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
- CRW 4224 Advanced Nonfiction Writing or 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop 3 hrs

c. Choose one of the following: 3 hrs
- Select 1: 3 hrs
- CRW 3311 Structure of Verse or 3 hrs
- CRW 3540 Literary Magazines or 3 hrs
- CRW 4114 History of Prose Style or 3 hrs
- CRW 3950 Cypress Dome Editorship or 3 hrs
- CRW 4724 The Florida Review or 3 hrs
- CRW 4014 The Writing Life or 3 hrs
6. Capstone Requirements

- None

7. Foreign Language Requirements

- Elementary Spanish Language and Culture
- Intermediate Spanish Language and Culture
- Advanced Spanish Language and Culture
- Advanced Spanish Language and Culture

8. Electives

- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of CRW 3013

12. University Minimum Exit Requirements

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

Total Semester Hours Required

- 120

Honors in Major

- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

Related Programs

- English - Technical Communication
- English - Literature

Certificates

- None

Related Minors

- Linguistics
- English - Technical Communication
- Writing and Rhetoric
- English - Literature

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- CHM 1010 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

- ENL 2012 English Literature I 3 hrs
- AML 3031 American Literature I 3 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs

Sophomore Year - Spring

- ENL 2022 English Literature II 3 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs

Junior Year - Fall

- ENC 3014 Theories and Techniques of Literature Study 3 hrs
- AML 3041 American Literature II 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring

- ENL 2022 English Literature II 3 hrs
- CRW 3120 Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall

- ENL 4105 History of the English Language 3 hrs
- CRW 4224 Advanced Nonfiction Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring

- CRW 3610 Writing Scripts 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts

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

English - Literature (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu

Email: english@ucf.edu
Dr. Patrick Murphy
Phone: 407-823-5596

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

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

B: Cultural & Historical Foundations
- Prefer LIT 2110 World Literature I 3 hrs
- Prefer LIT 2120 World Literature II 3 hrs
- Select one class from 1.B.1 list 3 hrs

C: Mathematical Foundations
- Math: 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
- (6 hrs)

E: Science Foundations
- (6 hrs)

2. Common Program Prerequisites (CPP)


c


1 ENC 1101 Composition I GEP
1 ENC 1102 Composition II

See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)

1 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
ENC 3241 Writing for the Technical Professional or 3 hrs
CRW 3053 Theory & Practice of Creative Writing 3 hrs

1 Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (15 hrs)

- Literary History Requirement
- Choose five courses from the two groupings

Select at least two pre-1865 literature courses 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs

AML 3031 American Literature I or 3 hrs
AML 3613 Narratives of Slavery or 3 hrs
AML 4304 Whitman and His Heirs or 3 hrs
ENL 2012 English Literature I or 3 hrs
ENL 4220 English Renaissance Poetry and Prose or 3 hrs

5. Restricted Electives (15 hrs)

- Upper Division Requirements

Choose one single author or major author course:

Select 1: 3 hrs

AML 4300 Major Authors or 3 hrs
AML 4311 Chaucer or 3 hrs
AML 4341 Milton and His Age or 3 hrs
AML 4333 Shakespeare Studies or 3 hrs
ENL 4303 British Authors or 3 hrs
ENL 4244 World Authors 3 hrs

Choose one linguistics or theory course:

Select 1: 3 hrs

ENG 3010 Practical Criticism or 3 hrs
LIN 3010 Principles of Linguistics or 3 hrs
LIN 4105 History of the English Language or 3 hrs
LIN 4643 Cross Cultural Communication or 3 hrs
LIN 4660 Linguistics and Literature or 3 hrs
LIN 4680 Modern English Grammar or 3 hrs
LIN 4554 Advanced Feminist Theories 3 hrs

Three additional upper level courses 9 hrs

- AML, ENL, or LIT prefix

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.
8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses.
- Complete 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.

Certificate
- English - Technical Communication

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- 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
- CRW 1020 Concepts in Chemistry 3 hrs
- ENC 1102 Composition II 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1120C Intermediate Spanish Language and Civilization I 4 hrs

Sophomore Year - Fall
- BSC 1005 Biological Principles 3 hrs
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- Restricted Elective 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Spring
- ENG 3014 Theories and Techniques of Literature 3 hrs
- AML 3031 American Literature I 3 hrs
- AML 3041 American Literature II 3 hrs
- Restricted Elective 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Junior Year - Fall
- CRW 3013 Creative Writing for English Majors 3 hrs
- ENL 2022 English Literature II 3 hrs
- LIN 4105 History of the English Language 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- ENL 3022 English Literature III 3 hrs
- AML 4101 American Novel 3 hrs
- AML 4261 Literature of the South 3 hrs
- ENL 4333 Shakespeare Studies 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- ENL 4102 English Literature IV 3 hrs
- ENL 4303 The Victorian Age: Poetry 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- LIT 3383 Women in Literature 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs

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

English - Technical Communication (B.A.)

Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
Email: english@ucf.edu
Dr. Patrick Murphy
Phone: 407-823-5596

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirements</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>1. UCF General Education Program (GEP)</strong></td>
<td>(36 hrs)</td>
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</tr>
<tr>
<td><strong>A: Communication Foundations</strong></td>
<td>(9 hrs)</td>
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<tr>
<td>Required</td>
<td>ENC 1101 Composition I</td>
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<td>Required</td>
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<td>Prefer</td>
<td>SPC 1008 Fundamentals of Oral Communication</td>
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<tr>
<td><strong>B: Cultural &amp; Historical Foundations</strong></td>
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<tr>
<td><strong>C: Mathematical Foundations</strong></td>
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<td><strong>Math:</strong></td>
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<tr>
<td>Suggested</td>
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<td>Suggested</td>
<td>MGF 1107 Explorations in Mathematics or</td>
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<tr>
<td><strong>Statistics - Computers</strong></td>
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<td><strong>D: Social Foundations</strong></td>
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<td><strong>E: Science Foundations</strong></td>
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<td><strong>2. Common Program Prerequisites (CPP)</strong></td>
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<td>See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
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<td>CRW 3013 Creative Writing for English Majors</td>
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<td>ENG 3014 Theories and Techniques of Literature Study or</td>
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<td>CRW 3053 Theory &amp; Practice of Creative Writing</td>
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<td><strong>4. Core Requirements: Advanced Level</strong></td>
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<td>ENC 4260 Technical Writing Style</td>
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<td>ENC 4263 Documentation and the Collaborative Process</td>
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<td>ENC 4294 Documentation and Client-Based Collaboration</td>
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<td>ENC 4218 The Visual in Technical Documentation</td>
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<td>AML 3613 Narratives of Slavery or</td>
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<td><strong>5. Restricted Electives</strong></td>
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<tr>
<td>ENC 4290 Usability Testing for Technical Communication or</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ENC 4414 Writing and Hypertext or</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ENC 4298 Technical Communication for the Virtual Workplace or</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ENC 4415 Digital Rhetorics and The Modern Dialectic</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Optional course:</strong></td>
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<td></td>
</tr>
<tr>
<td>ENC 4941 Internship</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td><strong>6. Capstone Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>None</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>7. Foreign Language Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Admissions</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>None</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Graduation</strong></td>
<td></td>
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<tr>
<td>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.</td>
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</tr>
<tr>
<td><strong>8. Electives</strong></td>
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</tr>
<tr>
<td>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 3311, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.</td>
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<tr>
<td><strong>9. Additional Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>None</strong></td>
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<td></td>
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<tr>
<td><strong>10. Required Minors</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>None</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>11. Departmental Exit Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maintain a minimum GPA of 2.0 in upper division required courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Competency met by completion of the following: ENC 4263 Documentation and the Collaborative Process</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>12. University Minimum Exit Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A 2.0 UCF GPA</td>
<td></td>
<td></td>
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<tr>
<td>60 semester hours earned after CLEP awarded</td>
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<tr>
<td>48 semester hours of upper division credit completed</td>
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<tr>
<td>30 of the last 39 hours of course work must be completed in residency at UCF</td>
<td></td>
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</tr>
<tr>
<td>A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted</td>
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<tr>
<td>Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Semester Hours Required</strong></td>
<td>120</td>
<td></td>
</tr>
</tbody>
</table>
### English Language Arts Education (B.S.)

**College of Education**

**Education Building, Room: 209**


Dr. Jeff Kaplan, ED 122B, Jeffrey.Kaplan@ucf.edu, 407-823-2041

Dr. Janet Andreasen, Janet.Andreasen@ucf.edu, 407-823-5430

#### Admission Requirements

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

**Degree Requirements**

- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-3.066. Degree requirements are subject to change based on state mandates.

### UCF Degree Programs

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

- Students are advised to take the preferred courses.

**A: Communication Foundations** (9 hrs)

- **Required** ENC 1101 Composition I 3 hrs
- **Required** ENC 1102 Composition II 3 hrs
- **Prefer** SPC 1608 Fundamentals of Oral Communication 3 hrs

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

- **Prefer** AMH 2010 U.S. History: 1492-1877 3 hrs
- **Prefer** LIT 2110 World Literature I 3 hrs
- **Prefer** AMH 2020 U.S. History: 1877-Present 3 hrs

**C: Mathematical Foundations** (6 hrs)

- **Prefer** MGF 1106 Finite Mathematics 3 hrs

**Select 1:** (3 hrs)

- **Prefer** STA 1063C Basic Statistics Using Microsoft Excel or
- **Prefer** STA 2014C Principles of Statistics 3 hrs

**D: Social Foundations** (6 hrs)

- **Prefer** PCS 2041 American National Government 3 hrs
- **Prefer** PST 2012 General Psychology 3 hrs

**E: Science Foundations** (6 hrs)

- **Prefer** PSC 1121 Physical Science 3 hrs

**Select 1:** (3 hrs)

- **Prefer** ANT 2511 The Human Species or
- **Prefer** BSC 1005 Biological Principles 3 hrs

#### 2. Common Program Prerequisites (CPP) (9 hrs)

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

**EDF 2005** Introduction to the Teaching Profession 3 hrs

**EDF 2085** Introduction to Diversity for Educators 3 hrs

**EME 2040** Introduction to Technology for Educators 3 hrs

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

#### 3. Core Requirements: Basic Level (12 hrs)

- **EDF 2130** Child and Adolescent Development for Educators 3 hrs
- **LIT 2110** World Literature I GEP 3 hrs
- **LIT 2120** World Literature II 3 hrs
- **ENL 2012** English Literature I 3 hrs
- **ENL 2022** English Literature II 3 hrs

- Courses taken at community colleges may be used to meet this requirement.

#### 4. Core Requirements: Advanced Level (63 hrs)

**Education Core Requirements** (21 hrs)

- **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
- **TSL 4080** Theory and Practice of Teaching ESL Students in Schools 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
- **EEX 4242** Teaching Exceptional Students in Secondary Settings 3 hrs
- **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
- **TSL 4240** Issues in Second Language Acquisition 3 hrs

**Specialization Requirements** (21 hrs)

- **CRW 3013** Creative Writing for English Majors 3 hrs
- **ENG 3014** Theories and Techniques of Literature Study 3 hrs
- **AML 3031** American Literature I 3 hrs
- **AML 3041** American Literature II 3 hrs
- **LAE 4464** Survey of Adolescent Literature 3 hrs
- **Select 1:** (3 hrs)
- **ENC 3311** Essay as Cultural Commentary or
- **LIN 4105** History of the English Language 3 hrs

Upper Division Elective with EDF, EDG, LAE, or RED prefix
UCF Degree Programs

Internship I  Block  9 hrs

- Prior to Internship I, the student must have completed
  EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, and LAE 4464 Introduction to Adolescent Literature with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clincalexp/.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAE 4360</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4342</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 3940</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.clincalexp.education.ucf.edu. Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066. Passing score on the Subject Area Examination (English 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAE 4360</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4342</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 3940</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives  None

6. Capstone Requirements  None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines.
This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

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

Total Semester Hours Required
- 120

Honors In Major  None

Related Programs  None

Certificates  None

Related Minors  None

Advising Notes  Consult with your Education advisor and review your degree audit for more recent information.

Transfer Notes  None

Acceptable Substitutes for Transfer Courses  None

Plan of Study

Freshman Year - Fall  12 hrs
- AMH 2010  U.S. History: 1492-1877  3 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- POS 2041  American National Government  3 hrs
- LAE 2012  Introduction to English Literature  3 hrs
- LAE 2013  Introduction to American Literature  3 hrs

Freshman Year - Spring  12 hrs
- AMH 2020  U.S. History: 1877-Present  3 hrs
- ENC 1102  Composition II  3 hrs
- POS 2041  American National Government  3 hrs
- PSC 1121  Physical Science  3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs

Freshman Year - Summer  6 hrs
- LTE 1110  World Literature I  3 hrs
- EDF 2130  Child and Adolescent Development for Educators  3 hrs

Sophomore Year - Fall  15 hrs
- EDF 2005  Introduction to the Teaching Profession  3 hrs
- LIT 2120  World Literature II  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- ANT 2511  The Human Species or 3 hrs
- BSC 1005  Biological Principles  3 hrs

Sophomore Year - Spring  12 hrs
- ENL 2012  English Literature I  3 hrs
- AML 3031  American Literature I  3 hrs
- EDF 2085  Introduction to Diversity for Educators  3 hrs
- EME 2040  Introduction to Technology for Educators  3 hrs
Junior Year - Fall 15 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs

Junior Year - Spring 15 hrs
AML 3041 American Literature II 3 hrs
LAE 4361 Literacy Strategies for Middle and High School 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
Select 1: 3 hrs
ENC 3311 Essay as Cultural Commentary or LIN 4105 History of the English Language 3 hrs
Upper Division Elective w/ RED, LAE, EDF, or EDF prefix 3 hrs

Junior Year - Summer 3 hrs
ENG 3014 Theories and Techniques of Literature Study 3 hrs

Senior Year - Fall 12 hrs
LAE 4360 English Instructional Analysis 3 hrs
LAE 4342 Teaching Exceptional Students in Secondary Settings 3 hrs
LAH 3940 Internship 3 hrs

Senior Year - Spring 12 hrs
LAE 4941 Internship 12 hrs

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

Environmental Engineering (B.S.Env.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carol.pohl@ucf.edu
Dr. Andrew Randall, andrew.randall@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one class from Social Foundations Group 1 3 hrs
- Select one class from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Required PHY 2049C Physics for Engineers and Scientists II 4 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of "C" (2.0) or better is required in each course in this section.
  1 MAC Calculus with Analytic Geometry I GEP
  2311C
  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 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs
  1 also satisfy UCF GEP sub-requirements

3. Core Requirements: Basic Level (9 hrs)
- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
  EGN 1006C Introduction to the Engineering Profession 1 hr
  EGN 1007C Engineering Concepts and Methods 1 hr
  1 CHM Chemistry Fundamentals I CPP
  2045C
  1 CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  Earth Science 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
UCF Degree Programs

1. EGN 3331 Mechanics of Materials 3 hrs
2. EGN 3343 Thermodynamics 3 hrs
3. EGN 3613 Engineering Economic Analysis 2 hrs
4. ENV 3001 Introduction to Environmental Engineering 3 hrs
5. CEE 4003 Introduction to the Construction Industry 3 hrs
6. STA 3032 Probability and Statistics for Engineers GEP 3 hrs
7. CWR 3201 Engineering Fluid Mechanics 3 hrs
8. CEG 4011 Geotechnical Engineering I 4 hrs
9. EES 4111 Biological Process Control 3 hrs
10. EES 4020 Chemical Process Control 4 hrs
11. ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
12. CWR 4632C Water Resources Engineering I 4 hrs
13. CWR 4633C Water Resources Engineering II 3 hrs
14. ENV 4120 Air Pollution Control 3 hrs
15. ENV 4561 Environmental Engineering Operations & Processes I 3 hrs
16. 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 CGN 4808C - CECE Capstone Design 3 hrs
- Design Specialization 3 hrs
- Must be completed before registering for CGN 4808C - Capstone Design
- ENV 4433C Environmental Engineering Wastewater Design or ENV 4122C Air Pollution Control Design or ENV 4562C Environmental Engineering Water Treatment Design

1. A “C” (2.0) or better is required in this course.

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

Graduation
- None

8. Electives
- None

9. Additional Requirements
- EnvE students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 128
University of Central Florida

UCF Degree Programs

Chemistry Fundamentals Laboratory 1 hr
Physics for Engineers and Scientists II 4 hrs
Engineering Analysis-Dynamics 3 hrs
GEP 3 hrs

Sophomore Year - Summer
EGN 3331 Mechanics of Materials 3 hrs
STA 303Z Probability and Statistics for Engineers 3 hrs
CCE 4003 Introduction to the Construction Industry 3 hrs
ENV 4341 Solid & Hazardous Waste Management 3 hrs

Junior Year - Fall
CWR 3201 Engineering Fluid Mechanics 3 hrs
EGN 4351 Environmental Engineering Operations & Processes I 3 hrs
CWR 4632C Water Resources Engineering I 4 hrs

Senior Year - Fall
ENV 4122 Air Pollution Control Design or
ENV 4560 Solid Waste Facility Design or
EES 4202C Chemical Process Control 4 hrs
CWR 4633C Water Resources Engineering II 3 hrs
Design Specialization
ENV 4433C Environmental Engineering Wastewater Design or
ENV 4122C Air Pollution Control Design or
ENV 4300C Solid Waste Facility Design or
ENV 4562C Environmental Engineering Water Treatment Design

Senior Year - Spring
EES 4111C Biological Process Control 3 hrs
Restricted Elective 3 hrs
GEp 3 hrs
CGN 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.oesas.ucf.edu/alr/academic_learning_compacts.htm

Equipment Fees
- Full-Time Student: $70 per term
- Full-Time Student: $38 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
- None

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Required MAC 1105C College Algebra 3 hrs
Select 1:
Required CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I 3 hrs
D: Social Foundations (6 hrs)
Required ECO 2013 Principles of Macroeconomics 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs
Select 1:
Required PSY 2012 General Psychology or
Required SYG 2000 Introduction to Sociology or
Required ANT 2000 General Anthropology 3 hrs

E: Science Foundations (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (51 hrs)
MAC 1105C College Algebra 3 hrs
Select 1:
STA 2023 Statistical Methods I or
CGS 2100C Computer Fundamentals for Business 3 hrs

4. Core Requirements: Advanced Level (52 hrs)
Hospitality Management Core 24 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
HFT 2224 Lodging Operations 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3541 Guest Services Management I 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
Internships
HFT 3940 Internship I 1 hr
HFT 4941 Internship II 1 hr
HFT 4944 Internship III 1 hr
Event Management Core 25 hrs
FSS 2284C Food Preparation for Catered Events 4 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3670 Hospitality and Event Risk Management 3 hrs
HFT 3512 Event Promotion 3 hrs
HFT 3373 Event Design, Production & Technology 3 hrs
HFT 3519 Event Services 3 hrs
HFT 3523 Event Sales 3 hrs
HFT 4757 Event Management 3 hrs

5. Restricted Electives (18 hrs)
Complete any six restricted Event Management Electives
Management Electives
HFT 3741 Meeting Management or
HFT 4754 Exhibit and Trade Show Operations or
HFT 4795 Entertainment Arts and Events or
HFT 3798 Fairs and Festivals or
HFT 4561 Destination Marketing or
HFT 4736 Destination Management or
HFT 4796 International Events or
HFT 4375 Advanced Trade Show Management or
HFT 3868 History and Culture of Wine or
HFT 3357 Golf & Club Event Operations 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

Admissions
- State University System foreign language admission requirement: two years in high school or one year 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
UCF Degree Programs

<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2200C</td>
<td>Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one course from the list</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult/Historical Foundation Course</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>AMH 2100</td>
<td>U.S. History: 1492-1877 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 2000</td>
<td>Western Civilization I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilization I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Freshman Year - Spring</td>
<td>15 hrs</td>
<td></td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2270</td>
<td>The Event Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Cultural Foundation Course | 3 hrs |
| HUM 2230      | Humanistic Tradition II or | 3 hrs |
| AMH 2020      | U.S. History: 1877-Present or | 3 hrs |
| EUH 2001      | Western Civilization II or | 3 hrs |
| WOH 2022      | World Civilization II | 3 hrs |

Sophomore Year - Fall | 15 hrs |
| HFT 3670      | Hospitality and Event Risk Management | 3 hrs |
| SPC 1608      | Fundamentals of Oral Communication | 3 hrs |
| HFT 2500      | Hospitality and Tourism Marketing | 3 hrs |

Select 1: | 3 hrs |
| ECO 2013     | Principles of Macroeconomics | 3 hrs |
| ECO 2023     | Principles of Microeconomics | 3 hrs |

Science Foundation | 3 hrs |
| BSC 1005      | Biological Principles or | 3 hrs |
| BSC 1050      | Biology and Environment or | 3 hrs |
| GLY 1030      | Geology and its Applications or | 3 hrs |
| GEO 1200      | Physical Geography or | 3 hrs |
| ANT 2011      | The Human Species | 3 hrs |

Sophomore Year - Spring | 16 hrs |
| HFT 3512      | Event Promotion | 3 hrs |
| HFT 3519      | Event Services | 3 hrs |
| 1 FSS 2284C   | Food Preparation for Catered Events | 4 hrs |

Science Foundation II | 3 hrs |
| AST 2002      | Astronomy | 3 hrs |
| CHM 1020      | Concepts in Chemistry | 3 hrs |
| PSC 1121      | Physical Science | 3 hrs |

Cultural Foundation Course | 3 hrs |
| FIL 1000      | Cinema Survey | 3 hrs |
| REL 2300      | World Religions | 3 hrs |
| PHI 2010      | Introduction to Philosophy | 3 hrs |
| MUL 2010      | Enjoyment of Music | 3 hrs |
| THE 2000      | Theatre Survey | 3 hrs |
| ARH 2050      | History of Western Art I or | 3 hrs |
| LIT 2110      | World Literature I or | 3 hrs |
| LIT 2120      | World Literature II | 3 hrs |

1 Food Preparation for Catered Events 4 credit hours

Junior Year - Fall | 16 hrs |
| HFT 3540      | Guest Services Management I | 3 hrs |
| HFT 2254      | Lodging Operations | 3 hrs |
| HFT 2401      | Hospitality Industry Financial Accounting | 3 hrs |
| HFT 2940      | Internship I | 1 hr |
| HFT 3373      | Event Design, Production & Technology | 3 hrs |

Junior Year - Spring | 15 hrs |
| HFT 3431      | Hospitality industry Managerial Accounting | 3 hrs |
| HFT 4941      | Internship II | 1 hr |
| HFT 3523      | Event Sales | 3 hrs |

Event Management Restricted Electives ***See list in catalog for 9hrs

Senior Year - Fall | 15 hrs |
| HFT 4286      | Hospitality Communications | 3 hrs |
| HFT 4464      | Hospitality Industry Finance | 3 hrs |
| HFT 4944      | Internship III | 1 hr |

Event Management Restricted Elective ***See list in catalog for 3hrs

University Free Electives 5 hours

Senior Year - Spring | 15 hrs |
| HFT 4757      | Event Management | 3 hrs |

Event Management Restricted Electives ***See list in catalog for 6hrs

University Free Electives 6 hours

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

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term
Film (B.F.A.)
College of Arts and Humanities
Department of Film,
Nicholson School of Communication, Room: 121
http://film.cah.ucf.edu
Email: film@ucf.edu
Steve Schlow, 407-823-2845
Phone: 407-823-2485

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 2030 History of Motion Pictures 3 hrs
- Prefer one course from 1.B.1 list 3 hrs
- Prefer one course from either 1.B.1 or 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Select from the following. Must complete at least six semester hours of regularly scheduled 3000-4000 level mathematics courses from one of the three offerings below.
- MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics.
- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers (3 hrs)
- Select a course from GEP C.2 list

D: Science Foundations (6 hrs)

1. Common Program Prerequisites (CPP) (3 hrs)
- FIL 1007 Foundations of Story 3 hrs

1. Core Requirements: Basic Level (21 hrs)
- Lower level core requirements
- Select one course from the following. Must complete at least 20 semester hours of regularly scheduled 1000-2000 level courses.

4. Core Requirements: Advanced Level (36 hrs)
- Upper level core requirements

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 4536C Sound Design for Film II 3 hrs
- FIL 4535C Sound Design for Film III 3 hrs
- FIL 4451C Design for Film 3 hrs
- FIL 4487C Directing for Film III 3 hrs
- FIL 4666C Editing II 3 hrs

Screen Writing
- FIL 4103C Adaptation 3 hrs
- FIL 4162C Feature/TV Writing I 3 hrs
- FIL 4163C Feature/TV Writing II 3 hrs
- FIL 4113C Interactive Writing I 3 hrs
- FIL 4126C Genre Writing 3 hrs
- FIL 4006 Directed Independent Study 1 hr

Cinema Studies
- FIL 3800C Images of Women in Film 3 hrs
- FIL 3831C Black Cinema 3 hrs
- FIL 3851C Avant-Garde Cinema 3 hrs
- FIL 3804C Film Theory and Criticism I 3 hrs
- FIL 3841C French New Wave Cinema 3 hrs
- FIL 3824C Italian Neo-Realist Cinema 3 hrs
- FIL 3847C Latin American Cinema 3 hrs
- FIL 3820C Italian Film 3 hrs
- FIL 3822C French Film 3 hrs
- FIL 3823C German Film 3 hrs
- FIL 3826C American Cinema 3 hrs
- FIL 3871C The American Film Artist 3 hrs
- FIL 4436C Film Theory/Film Production 3 hrs

Digital Cinema
- ART 2823C Art as Interface 3 hrs
- ART 3618C Post-Production Design 3 hrs
- COP 3502C Computer Science I 3 hrs
- DIG 4555C Converging Media Capstone 3 hrs
- DIG 3138C Digital Imagery 3 hrs
- DIG 4780C Modeling for Realtime Systems 3 hrs
- ENC 4415C Digital Rhetoric and The Modern Dialectic 3 hrs
- DIG 3134C Media Software Design 3 hrs
- MUC 3311C MIDI Sequencing I 3 hrs

6. Capstone Requirements (6 hrs)
- FIL 4434C Capstone I 3 hrs
- FIL 4573C Capstone II 3 hrs

7. Foreign Language Requirements
- Met by 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
- A student must maintain an overall average of a “B” (3.0) or better in major courses.
- Department of Film requires an exit interview.

Computer Competency met by one of the following:
- CGS 1060C Introduction to Computer Science or 3 hrs
- FIL 2552 Editing I or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel  3 hrs

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Film - Cinema Studies Track
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

Certificates
- None

Related Minors
- Art - Studio
- Film - Cinema Studies
- English - Creative Writing
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
- FIL 1007 may use any introductory film writing course. However, FIL 1008 is a prerequisite for all major courses and must be taken

Plan of Study

Freshman Year - Summer
- ENC 1101 Composition I  3 hrs
- FIL 1007 Foundations of Story  3 hrs
- FIL 1008 Cinematic Expression/Aesthetics  3 hrs
- FIL 1009 Cinematic Expression for Majors  3 hrs
- FIL 3922 Film Colloquium  1 hr
- GEP 3 hrs
- Foreign Language  4 hrs

Sophomore Year - Fall
- FIL 3115 Short Script I  3 hrs
- FIL 3427C Introduction to Film Production  3 hrs
- FIL 3033C Film Theory and Criticism I  3 hrs
- FIL 3922 Film Colloquium  3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- FIL 3480 Directing for Film I  3 hrs
- FIL 4811 Directing the Actor for Film I  3 hrs
- FIL 2552 Editing I  3 hrs
- FIL 3922 Film Colloquium  1 hr
- GEP 3 hrs

Sophomore Year - Summer
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall
- DIG 2001 Introduction to Digital Media  3 hrs
- FIL 2461 Cinematography I  3 hrs
- FIL 3036 Film History I  3 hrs
- FIL 3534 Sound Design for Film I  3 hrs
- FIL 3922 Film Colloquium  1 hr
- FIL 4486C Directing for Film II  3 hrs

Junior Year - Spring
- FIL 3037 Film History II  3 hrs
- FIL 3132 Short Script II  3 hrs
- FIL 3922 Film Colloquium  1 hr
- FIL 4647 Film Production Management  3 hrs
- FIL 4681 The Film Producer  3 hrs

Senior Year - Fall
- FIL 4434C Capstone I  3 hrs
- FIL XXXX - Elective
- FIL XXXX - Elective

Senior Year - Spring
- FIL 4573C Capstone II  3 hrs
- FIL XXXX - Elective

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Film - Cinema Studies Track (B.A.)

College of Arts and Humanities
Department of Film,
Nicholson School of Communication, Room: 121
http://film.cah.ucf.edu
Email: film@ucf.edu
Steve Schlow, 407-823-2845
Phone: 407-823-4285

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average of “C” (2.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Cinema Studies Track is not an entrance into the BFA Film Program.
- Internship credit can be used in this major.
Students must consult with a departmental advisor each semester.

Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Select 1: 3 hrs

C: Mathematical Foundations (6 hrs)

Math

1 Suggested MGF 1106 Finite Mathematics or 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)

E: Science Foundations (6 hrs)

D: Social Foundations (6 hrs)

F: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

A: Communication Foundations (9 hrs)

1 May substitute a higher level math.

1 Suggested MGF 1107 Explorations in Mathematics or 3 hrs

Prefer one course from 1.B.1 list 3 hrs

Prefer one course from 1.B.1 or 1.B.2 list 3 hrs

Select three courses from the following upper level FIL courses:

FIL 1007 Foundations of Story 3 hrs

FIL 2030 History of Motion Pictures 3 hrs

FIL 1008 Cinematic Expression/Aesthetics 3 hrs

Select a course from GEP C.2 list 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

1 See Transfer Notes for possible substitutes.

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 3486C Cinematic Expression 3 hrs

FIL 3363C Film Documentary 3 hrs

FIL 3036 Film History I 3 hrs

FIL 3037 Film History II 3 hrs

FIL 3051 Avant-Garde Cinema 3 hrs

FIL 3803C Film Theory and Criticism I 3 hrs

FIL 3804C Film Theory and Criticism II 3 hrs

FIL 3845 World Cinema Traditions 3 hrs

FIL 3826 American Cinema 3 hrs

FIL 4661 The Film Producer 3 hrs

Select 1:

FIL 3102 Writing for Film and TV or 3 hrs

FIL 3115 Short Script I 3 hrs

5. Restricted Electives (9 hrs)

Select three courses from the following upper level FIL courses:

A maximum of 6 hours Independent Study and/or internship credit may be used

FIL 3530 Cinema Directors 3 hrs

FIL 3800C Images of Women in Film 3 hrs

FIL 3831 Black Cinema 3 hrs

FIL 3841 French New Wave Cinema 3 hrs

FIL 3041 History of Animated Films I 3 hrs

FIL 3824 Italian Neo-Realist Cinema 3 hrs

FIL 3842 International Cinema 3 hrs

FIL 3820 Italian Film 3 hrs

FIL 3822 French Film 3 hrs

FIL 3823 German Film 3 hrs

FIL 3871 The American Film Artist 3 hrs

FIL 4436 Film Theory/Film Production 3 hrs

FIL 4906 Directed Independent Study 3 hrs

FIL 5612 Film and Internet Business 3 hrs

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Met by graduation requirement.

Graduation

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

8. Electives

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

9. Additional Requirements

None

10. Required Minors

Must be taken outside the Film Department. (18 hrs min)

11. Departmental Exit Requirements

A student must maintain an overall average of “C” (2.0) or better in major courses.

Computer competency met by one of the following:

CGS 1060C Introduction to Computer Science 3 hrs

STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

FIL 1008 Cinematic Expression/Aesthetics 3 hrs

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required

120

Honors In Major

None

Related Programs

Music

Theatre

Radio - Television

English - Creative Writing

Film

Certificates

None

Related Minors

Music

Theatre

Art - Studio

English - Creative Writing

Advising Notes

None

Transfer Notes

Courses taken at community colleges do not substitute for Upper Division courses

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Finance (B.S.B.A.)
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
Students seeking advising must go to BA 2, Room 101.
http://web.bus.ucf.edu/academics/finance/
Phone: 407-823-3575

Not eligible for a double degree with another College or Business Administration major.

Admission Requirements
- Completion of the UCF General Education Program and Golden Rule, or an AA degree from a Florida public community college
- See Common Program Prerequisites

Degree Requirements
- Students who change their degree programs should adopt the most current catalog.
- Only grades “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Restricted Electives below) can count toward another major or minor degree program.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students in the finance major must maintain a 2.0 or higher cumulative grade point average in all 3000 level or higher finance or real estate courses taken at UCF. Failure to maintain the required 2.0 GPA will result in the student being placed on lack of progress in the major. Lack of progress in the major will continue until such time as the student’s cumulative GPA in all finance and real estate courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in finance and real estate courses in the subsequent term, that student will be dropped as a finance major. A student who is dropped my seek re-admittance as a finance major. Not eligible for a double degree with another College or Business Administration major.

Students majoring in finance must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:
FIN 3403C Business Finance 4 hrs

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

A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
Required CGS 2100C Computer Fundamentals for Business
Prefer MAC 1105C College Algebra

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Suggested ECO 2033 Principles of Macroeconomics 3 hrs
Suggested ECO 2023 Principles of Microeconomics 3 hrs

Senior Year - Fall
FIN 3403C Business Finance 4 hrs

Senior Year - Spring
FIN 3522 Business Ethics 3 hrs
FIN 3607C Business Law 3 hrs
FIN 3703C Financial Management 3 hrs
FIN 3826 Introduction to Financial Planning 3 hrs
FIN 3882C Business Information Systems 3 hrs
FIN 4991W Business Finance Capstone 3 hrs

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### 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.
- **Sophomore Year - Fall**
  - FIL 2423 Foundations of Production 3 hrs
  - FIL 3036 Art of the Cinema 3 hrs
  - FIL 3038 Film History I 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

- **Sophomore Year - Spring**
  - DIG 2000 Introduction to Digital Media 3 hrs
  - FIL 3037 Film History II 3 hrs
  - Take one of the following 3 hrs
    - FIL 3102 Writing for Film and TV or 3 hrs
    - FIL 3115 Short Script I 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

- **Junior Year - Fall**
  - FIL 3363C Film Documentary 3 hrs
  - FIL 3803C Film Theory and Criticism I 3 hrs
  - FIL XXXX - Elective 3 hrs
  - GEP 3 hrs
  - Minor 3 hrs

- **Junior Year - Spring**
  - FIL 3462C Cinematic Expression 3 hrs
  - FIL 3804C Film Theory and Criticism II 3 hrs
  - FIL 4681 The Film Producer 3 hrs
  - GEP 3 hrs
  - Minor 3 hrs

- **Senior Year - Fall**
  - FIL 3826 American Cinema 3 hrs
  - FIL 3845 World Cinema Traditions 3 hrs
  - FIL XXXX - Elective 3 hrs
  - Minor 6 hrs

- **Senior Year - Spring**
  - FIL 3051 Avant-Garde Cinema 3 hrs
  - FIL XXXX - Elective 3 hrs
  - Minor 6 hrs
Select 1: 3 hrs
Suggested PSY 2012 General Psychology or 3 hrs
Suggested ANT 2000 General Anthropology or 3 hrs
Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions services section for more information.

A: ACG 2071 Principles of Managerial Accounting 3 hrs
B: ECO 2013 Principles of Macroeconomics 3 hrs
C: ECO 2023 Principles of Microeconomics 3 hrs
D: CGS 2100C Computer Fundamentals for Business 3 hrs
E: ACG 2021 Principles of Financial Accounting 3 hrs

Select one of the following sequences of courses:
- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.
- ECO 3401: Quantitative Business Tools I 3 hrs
- or
- MAC 2233: Concepts of Calculus and 3 hrs
- STA 2023: Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (32 hrs)

First or subsequent semester in the College of Business Administration:
1. GEB 3031: Cornerstone: Professional Skills for Business 3 hrs
2. GEB 3375: Introduction to International Business 4 hrs
3. BUL 3130: Legal and Ethical Environment of Business 4 hrs
4. ECO 3411: Quantitative Business Tools II 4 hrs
5. FIN 3403C: Business Finance 4 hrs
6. MAN 3025: Management of Organizations 4 hrs
7. MAR 3023: Marketing 4 hrs
8. GEB 3031L: Cornerstone Lab: Professional Skills for Business 1 hr
9. MAR 3203: Supply Chain and Operations Management 4 hrs

1. Required in 1st or 2nd semester.

4. Core Requirements: Advanced Level (18 hrs)

FIN 3303: Financial Markets 3 hrs
FIN 3414: Intermediate Corporate Finance 3 hrs
FIN 3504: Investment Analysis 3 hrs
FIN 4453: Financial Models 3 hrs

Select 2: 6 hrs

FIN 4324: Advanced Topics in Financial Management 3 hrs
FIN 4424: Advanced Topics in Financial Management 3 hrs
FIN 4514: Portfolio Analysis and Management 3 hrs
FIN 4533: Financial Derivatives or 3 hrs
FIN 4604: International Financial Management 3 hrs

5. Restricted Electives (6 hrs)

Select 2: 6 hrs

ECO 4412: Econometrics or 3 hrs
FIN 3461: Financial Statement Analysis or 3 hrs
FIN 4324: Commercial Bank Management or 3 hrs
FIN 4424: Advanced Topics in Financial Management or 3 hrs
FIN 4514: Portfolio Analysis and Management or 3 hrs
FIN 4533: Financial Derivatives or 3 hrs
FIN 4604: International Financial Management or 3 hrs
FIN 4906: Directed Independent Study or 1 hr
FIN 4941: Finance Internship or 3 hrs
1 FIN 4903H: Honors Directed Reading I or 1 hr
1 FIN 4970H: Undergraduate Honors Thesis or 1 hr
MAR 3391: Professional Selling or 3 hrs
REE 3043: Fundamentals of Real Estate or 3 hrs
REE 3433: Real Estate Law or 3 hrs
REE 4103: Real Estate Appraisal and Valuation or 3 hrs
REE 4204: Residential Real Estate Finance or 3 hrs
REE 4303: Real Estate Investment Analysis or 3 hrs
REE 4732: Real Estate Development or 3 hrs
REE 4803: Commercial Real Estate Finance or 3 hrs
REE 4933: Advanced Topics in Real Estate or 3 hrs
GEB 4374: International Negotiations and Transactions 3 hrs

1. Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.

6. Capstone Requirements (4 hrs)

MAN 4720: Strategic Management 4 hrs
- This course is taken in the graduating term and requires the following prerequisites:
  - GEB 3031: Cornerstone: Professional Skills for Business 3 hrs
  - MAR 3023: Management of Organizations 4 hrs
  - MAN 3025: Management of Organizations 4 hrs
  - FIN 3403C: Business Finance 4 hrs

7. Foreign Language Requirements

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

Graduation
- None

8. Electives
- (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

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

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- Finance: Banking
- Finance: Corporate Finance
- Finance: Investments

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
UCF Degree Programs

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C”(2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Must complete nine hours in a summer semester
- General electives as required to reach 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- Elective 3 hrs

Sophomore Year - Fall 15 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Science 3 hrs
- Elective 3 hrs

Sophomore Year - Spring 15 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall 16 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3375 Introduction to International Business 4 hrs
- FIN 3403C Business Finance 4 hrs

Junior Year - Spring 17 hrs
- FIN 3303 Financial Markets 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- MAN 3025 Management of Organizations 4 hrs

Senior Year - Fall 14 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

Senior Year - Spring 13 hrs
- MAN 4720 Strategic Management 4 hrs
- FIN 4453 Financial Models 3 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Foreign Language Education - French (B.S.)
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language
Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

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

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

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or
- Prefer STA 2014C Principles of Statistics 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
3. Core Requirements: Basic Level (6 hrs)
   EDF 2130 Child and Adolescent Development for Educators 3 hrs
   FRE 2201 Intermediate French Language and Civilization II 3 hrs

4. Core Requirements: Advanced Level (69 hrs)
   Education Core Requirements 18 hrs
   - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL.
   - Practice of Teaching ESOL Students in Schools.
     1 EDG 4410 Teaching Strategies and Classroom Management 3 hrs
     1 EDF 4467 Learning Theory and Assessment 3 hrs
     TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
     RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
     2 EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
     EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

   Internship I 3 hrs
   - Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
   - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

   Specialization Requirements 33 hrs
   1 FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
   1 FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
   FRE 3300 French Grammar 3 hrs
   FRE 3420 French Composition 3 hrs
   FRE 3760 Advanced French Oral Communication 3 hrs
   FRW 3100 Survey of French Literature I 3 hrs
   FRW 3101 Survey of French Literature II 3 hrs
   2 FRE 4421 Advanced French Conversation 3 hrs
   2 FRE 4422 Advanced French Composition 3 hrs
   Upper division restricted electives (FRE/FRW 3/4XXX with advisor’s consent) 6 hrs

   1 Required prior to Internship I.
   2 Community College transfer students may substitute EEX 2010 Introduction to Special Education.

   Internship II 12 hrs
   - At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
   - Passing score on the Subject Area Examination (French K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
   - Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

   Other Cognate Requirements (Linguistics) 3 hrs
   FRE 3780 French Phonetics and Diction 3 hrs

   1 Required prior to Internship I.
   2 FRE 3410 and FRE 3423 may substitute for FRE 4421 and FRE 4422.
UCF Degree Programs

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
MGF 1106 Finite Mathematics 3 hrs
PSY 2012 General Psychology 3 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
Freshman Year - Spring 12 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1102 Composition II 3 hrs
POS 2041 American National Government 3 hrs
PSC 1121 Physical Science 3 hrs
Freshman Year - Summer 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs
Sophomore Year - Fall 15 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
Select 1: STA 2014C Principles of Statistics or 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Spring 12 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
FRE 2201 Intermediate French Language and Civilization II 3 hrs
Select 1: ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs
Sophomore Year - Summer 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
Junior Year - Fall 15 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
FRE 3300 French Grammar 3 hrs
FRE 3420 French Composition 3 hrs
FRW 3100 Survey of French Literature I 3 hrs
Junior Year - Spring 15 hrs
FRW 3101 Survey of French Literature II 3 hrs
FRE 3760 Advanced French Oral Communication 3 hrs
FRE 3780 French Phonetics and Diction 3 hrs
FRE 4422 Advanced French Composition 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
Junior Year - Summer 9 hrs
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
1 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
1 This course may be taken in the Fall of the senior year with consent of instructor.
Senior Year - Fall 12 hrs
FLE 3940 Internship 3 hrs
FRE 4421 Advanced French Conversation 3 hrs
Two upper division restricted electives (FRE/FRW 3/4XXX) 6 hrs
Senior Year - Spring 12 hrs
FLE 4941 Internship 12 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Foreign Language Education - Spanish (B.S.)
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language
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, 407-823-5430

Admission Requirements
■ Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
■ Have a minimum 2.5 overall GPA
■ Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
■ Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
■ Meet the Gordon Rule Requirement.
■ Meet the foreign language admission requirement.

Degree Requirements
■ Students should see an advisor prior to registering for classes
■ The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
■ This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
■ Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Preferred AMH 2010 U.S. History: 1492-1877 3 hrs
Preferred AMH 2020 U.S. History: 1877-Present 3 hrs
Preferred PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
Preferred MGF 1106 Finite Mathematics 3 hrs

Select 1: (3 hrs)
Preferred STA 1063C Basic Statistics Using Microsoft Excel or
Preferred STA 2014C Principles of Statistics 3 hrs

Select 2: (3 hrs)
Preferred POS 2041 American National Government 3 hrs
Preferred PSY 2012 General Psychology 3 hrs

D: Social Foundations (6 hrs)
Preferred PSC 1121 Physical Science 3 hrs

E: Science Foundations (6 hrs)
Preferred PSC 1121 Physical Science 3 hrs

Select 1: (3 hrs)
Preferred ANT 2511 The Human Species or 3 hrs
Preferred 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
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (6 hrs)
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs

4. Core Requirements: Advanced Level (69 hrs)
- Education Core Requirements 18 hrs
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools. 3 hrs
  - FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
  - EDF 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

- Other Program Requirements 6 hrs
  - SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs
  - SPN 2202 Intermediate Spanish Language and Civilization II 3 hrs
  - SPN 2345 Advanced Spanish Native Fluency I 3 hrs
  - SPN 3344 Advanced Spanish Native Fluency I 3 hrs
  - SPN 3420 Spanish Composition 3 hrs
  - SPN 3420 Spanish Composition 3 hrs
  - SPN 3560 Advanced Spanish Oral Communication 3 hrs
  - SPN 3560 Advanced Spanish Oral Communication 3 hrs
  - SPN 3760 Advanced Spanish Oral Communication 3 hrs
  - SPN 3760 Advanced Spanish Oral Communication 3 hrs
  - SPN 3852 Spanish-American Syntax or 3 hrs
  - SPN 4801 Spanish Morphosyntax 3 hrs

- Other Cognate Requirements 3 hrs
  - Select 1: 3 hrs
    - SPN 3344 Advanced Spanish Native Fluency I 3 hrs
    - SPN 3420 Spanish Composition 3 hrs
    - SPN 3560 Advanced Spanish Oral Communication 3 hrs
    - SPN 3760 Advanced Spanish Oral Communication 3 hrs

- Internship II Block 12 hrs
  - At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-“ (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
  - Passing score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II. Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
  - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066. FLE 4941 Internship 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
- Graduation
  - None
- Electives
  - None

8. Additional Requirements
- None

9. Required Minors
- None

10. Departmental Exit Requirements
- None

11. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit
UCF Degree Programs

Total Semester Hours Required
- 120

Honors In Major
- 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

Senior Year - Summer 9 hrs
- A: Communication Foundations (9 hrs)

Bachelor of Arts in Spanish (Major) - BA

A: Communication Foundations (9 hrs)
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- STA 2014C Principles of Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPW 2030 Survey of Latin-American Literature I or 3 hrs

Select 1: 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- STA 2014C Principles of Statistics Using Microsoft Excel 3 hrs

Senior Year - Summer 12 hrs
- EDG 4410 Foreign Language Teaching in Elementary Schools 3 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

Sophomore Year - Fall 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPW 2030 Survey of Latin-American Literature I or 3 hrs

Select 1: 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- STA 2014C Principles of Statistics Using Microsoft Excel 3 hrs

Senior Year - Summer 12 hrs
- FLE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Forensic Science - Analysis Track (B.S.)

College of Sciences

Department of Chemistry, Chemistry, Room: 306A

http://chemistry.cos.ucf.edu/

Email: chemistry@ucf.edu

Dr. G. Mattson, gerald.mattson@ucf.edu

Phone: 407-823-1522

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- 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.

1. UCF General Education Program (GEP) (39 hrs)
- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

B: Natural Sciences (9 hrs)
- BSC 1005 Biological Principles 3 hrs
- BSC 1005 Biological Principles or 3 hrs

C: Social Sciences (3 hrs)
- AMH 2010 U.S. History: 1877-Present 3 hrs
- AMH 2010 U.S. History: 1877-Present or 3 hrs

D: Humanities (3 hrs)
- ENC 1101 Composition I 3 hrs
- ENC 1101 Composition I or 3 hrs

E: Physical Education (1 hr)
- A Grade of “C” or higher in SPC 1603

F: Mathematics (3 hrs)
- MGF 1106 Finite Mathematics 3 hrs
- MGF 1106 Finite Mathematics or 3 hrs

G: Laboratory Science (3 hrs)
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools or 3 hrs
### 5. Restricted Electives (12 hrs)

Select from the following:

- Note: Substitutions require prior approval by the department.
  - ANT 4521 Forensic Anthropology 3 hrs
  - BCH 4053 Biochemistry I 3 hrs
  - CHM 3215L Organic Laboratory Techniques II 2 hrs
  - CHM 4912 Directed Independent Research 3 hrs
  - CHS 4506C Forensic Investigation Technology 3 hrs
  - CHS 4515C Forensic Crime Scene Investigation 4 hrs
  - CHS 4547C Advanced Topics in Trace Analysis 3 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 taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Acceptable Substitutes for Transfer Courses

- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test at http://chemplacement.sdes.ucf.edu/
- Before registering for Math, take Math Placement Test at http://utc.sdes.ucf.edu/
- Because of the rigorous nature of these classes, students should plan on utilizing summer terms. In addition, you may be required to complete 9 hours during the Summer. Consult with an advisor to determine if you are exempt.
- This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

Freshman Year - Fall

- CHM 2040: Chemistry Fundamentals IA 3 hrs
- BSC 2010C: Biology I 4 hrs
- MAC 1140: Pre-Calculus Algebra 3 hrs
- ENC 1101: Composition I 3 hrs

Freshman Year - Spring

- CHS 3501: Introduction to Forensic Science 3 hrs
- CHM 2041: Chemistry Fundamentals IB 3 hrs
- MAC 2311C: Calculus with Analytic Geometry I 4 hrs
- ENC 1102: Composition II 3 hrs

Freshman Year - Summer

- CHM 2046: Chemistry Fundamentals II 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
Lab may be taken in a later term if seats are not available.

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
- CHM 2211L: Organic Laboratory Techniques I 2 hrs
Lab may be taken in a later term if seats are not available.
- PHY 2049C: Physics for Engineers and Scientists II 4 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Junior Year - Fall

- CHS 3505C: Forensic Microscopy 4 hrs
- CHS 4037: Forensic Laboratory Quality Assurance 2 hrs
- CHM 3120: Analytical Chemistry 3 hrs
- CHM 3120L: Analytical Chemistry Laboratory 1 hr
- PCB 3233: Immunology 3 hrs
- Restricted Elective 1 hr

Junior Year - Spring

- CHS 3511C: Trace Evidence 4 hrs
- CHS 3585: Forensic Science in the Courtroom 3 hrs
- PCB 3063: Genetics 3 hrs
- GEP 3 hrs

Junior Year - Summer

- CHS 4506C: Forensic Investigation Technology 3 hrs
- CHS 4515C: Forensic Crime Scene Investigation 4 hrs
- (or other restricted elective)

Senior Year - Fall

- CHS 3530C: Forensic Analysis of Controlled Substances 4 hrs
- CHS 3533: Forensic Biochemistry 2 hrs
- CHM 3422: Applied Physical Chemistry 3 hrs
- GEP 3 hrs
- Restricted Elective 1 hr

Senior Year - Spring

- CHM 4130: Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L: Advanced Analytical Chemistry Laboratory 2 hrs
- SPC 1603: Fundamentals of Technical Presentations 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Senior Year - Summer

- CHS 4591: Forensic Science Internship 4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Forensic Science - Biochemistry Track (B.S.)

College of Sciences

Department of Chemistry, Chemistry, Room: 306A
http://chemistry.cos.ucf.edu/

Email: chemistry@ucf.edu
Dr. G. Mattson, gerald.mattson@ucf.edu
Phone: 407-823-1522

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (39 hrs)
- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)

- Prefer SPC 1603: Fundamentals of Technical Presentations 3 hrs
- Required ENC 1101: Composition I 3 hrs
- Required ENC 1102: Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

- Required BSC 2010C: Biology I 4 hrs
- Required PHY 2048C: Physics for Engineers & Scientists I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

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
   CHM 2041 Chemistry Fundamentals IB
   - and
   CHM 2046 Chemistry Fundamentals II and
   CHM 2046L Chemistry Fundamentals Laboratory and
   MAC 2312 Calculus with Analytic Geometry II and
   CHS 3533L Forensic Biochemistry I Laboratory 1 hr
   CHS 4534C Forensic Biochemistry II 3 hrs
   BCH 4103L Forensic Biochemistry I Laboratory 1 hr
   CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
   CHS 4591 Forensic Science Internship 4 hrs
   PCB 3063 Genetics and 3 hrs
   PCB 3063L Genetics Laboratory and 1 hr
   PCB 3233 Immunology and 3 hrs
   PCB 3233L Immunology Laboratory 1 hr

4. Core Requirements: Advanced Level (45 hrs)
   A. Forensic Science Core 18 hrs
      CHS 3501 Introduction to Forensic Science 3 hrs
      CHS 3505C Forensic Microscopy 4 hrs
      CHS 3533 Forensic Biochemistry I 3 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
      PHY 2048C Physics for Engineers & Scientists I GEP
      PHY 2049C Physics for Engineers and Scientists II GEP

5. Restricted Electives (3 hrs)
   Any course approved by the Forensic Program advisor.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Two years high school, or one year college language (or
     equivalent proficiency exam) prior to graduation.
   Graduation
   - None

8. Electives
   - Select primarily from upper level courses after
     consulting with a departmental advisor. Courses may be
     outside the department.

9. Additional Requirements
   - None
UCF Degree Programs

Freshman Year - Summer
4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
Lab may be taken in a later term if seats are not available.

Sophomore Year - Fall
14 hrs
CHM 2210 Organic Chemistry I 3 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
MAC 2512 Calculus with Analytic Geometry II 4 hrs
SPC 1603 Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Spring
13 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
Lab may be taken in a later term if seats are not available.
MCB 3020C General Microbiology 5 hrs
GEP 3 hrs

Sophomore Year - Summer
4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall
13 hrs
CHS 3505C Forensic Microscopy 4 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
GEP 3 hrs

Junior Year - Spring
14 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
PCB 3063 Genetics 3 hrs
PCB 3063L Genetics Laboratory 1 hr
GEP 3 hrs

Senior Year - Fall
16 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
CHS 3533L Forensic Biochemistry I Laboratory 1 hr
BCH 4053 Biochemistry I 3 hrs
PCB 3522 Molecular Biology I 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
GEP 3 hrs

Senior Year - Spring
14 hrs
CHS 4534C Forensic Biochemistry II 3 hrs
BCH 4054 Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
PCB 4524 Molecular Biology II 3 hrs
Restricted Elective 3 hrs

Senior Year - Summer
4 hrs
CHS 4591 Forensic Science Internship 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

French (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Dr. Paul Giordano
Phone: 407-823-2472

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 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)
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs

Statistics - Computers (3 hrs)
Select a course from GEP C.2 list

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (14 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  1 FRE 1120C Elementary French Language and Civilization I 4 hrs
  1 FRE 1121C Elementary French Language and Civilization II 4 hrs
  1 FRE 2200 Intermediate French Language and Civilization I 3 hrs
  1 FRE 2201 Intermediate French Language and Civilization II 3 hrs

1 *May be met by proficiency test or completion of FRE 2201

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (21 hrs)
  1 FRE 3300 French Grammar 3 hrs
  1 FREN 3100 Survey of French Literature I 3 hrs
  1 FREN 3780 French Phonetics and Diction 3 hrs
  1 FOL 3730 Romance Philology 3 hrs

Select 1:
  1 FREN 3420 French Composition or 3 hrs
  1 FRE 4422 Advanced French Composition or 3 hrs

Select 1:
  1 FREN 3760 Advanced French Oral Communication or 3 hrs
  1 FRE 4421 Advanced French Conversation or 3 hrs
A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

5. Restricted Electives  (15 hrs)
French literature beyond the survey level (taught in French)  6 hrs
French courses  9 hrs

6. Capstone Requirements
  ■ None

7. Foreign Language Requirements

Admissions
  ■ Met by graduation requirements.
Graduation
  ■ Met by Common Program Prerequisites
8. Electives
  ■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
  ■ None

10. Required Minors
  ■ None

11. Departmental Exit Requirements
  ■ Earn a grade of “C” (2.0) or higher in at least 36 hours of upper division French courses
  ■ Students are required to satisfactorily complete a departmental exit exam
  ■ Students must submit their portfolio to their French Faculty Advisor
  ■ Computer Competency met by the following or equivalent:
    CGS 1060C  Introduction to Computer Science  3 hrs

12. University Minimum Exit Requirements
  ■ A 2.0 UCF GPA
  ■ 60 semester hours earned after CLEP awarded
  ■ 48 semester hours of upper division credit completed
  ■ 30 of the last 39 hours of course work must be completed in residency at UCF
  ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
  ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
  ■ 120

Honors In Major
  ■ None

Related Programs
  ■ Spanish

Certificates
  ■ None

Related Minors
  ■ French
  ■ German
  ■ Italian
  ■ Judaic Studies
  ■ Latin American Area Studies
  ■ Spanish

Advising Notes
  ■ None

Transfer Notes
  ■ Courses taken at community colleges do not substitute for Upper Division courses.
  ■ Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
  ■ None

Plan of Study
  ■ None

Program Academic Learning Compacts
  ■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
    http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

General Business (B.S.B.A.)

College of Business Administration

Department of Management, Business Administration II, Room: 101
http://www.bus.ucf.edu/
Email: uss@bus.ucf.edu
Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
  ■ Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida Public Community College
  ■ See Common Program Prerequisites

Degree Requirements
  ■ Students who change degree programs and select this major must adopt the most current catalog.
  ■ Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
  ■ Students wanting to major in General Business must apply for admission to the major.
  ■ Final exams will be given during Exam Week.
  ■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
  ■ Students must have at least a 2.0 GPA in the major and COB.
  ■ Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major.

1. UCF General Education Program (GEP)  (36 hrs)
   A: Communication Foundations
      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
      Prefer MAC 1105C  College Algebra  3 hrs

   D: Social Foundations  (6 hrs)
      Select 1:  3 hrs
      Required ECO 2013  Principles of Macroeconomics  3 hrs
      Required ECO 2023  Principles of Microeconomics  3 hrs

      Select 1:  3 hrs
      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 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
## UCF Degree Programs

### Select one of the following sequences of courses:

- Students must receive a “C” (2.0) in both MAC 2233 and STA 2023 to be waived from ECO 3401.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3401</td>
<td>Quantitative Business Tools I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>MAC 2233 Concepts of Calculus and</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Core Classes: 32 hrs

#### First or subsequent semester in the College of Business Administration:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business and Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II and</td>
<td>4 hrs</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance and</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 GEB 3031</td>
<td>Cornerstone: Professional Skills for Business and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business and</td>
<td>1 hr</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business and</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations and</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing and</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Supply Chain and Operations Management</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

#### Second Level Core: 12 hrs

- Students must take at least one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, and Marketing.
- Second Level core electives: must take one class from courses listed below in Finance, Management, and Marketing.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECP 4703</td>
<td>Managerial Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3303</td>
<td>Financial Markets or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3504</td>
<td>Investment Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 3113</td>
<td>How to Start a Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3301</td>
<td>Management of Human Resources or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4240</td>
<td>Organizations: Theory and Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4441</td>
<td>Conflict Resolution and Negotiation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3403</td>
<td>Sales Force Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3613</td>
<td>Marketing Analysis and Research or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4156</td>
<td>International Marketing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4841</td>
<td>Services Marketing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Economics: Must Select 3 hrs

- ECP 4703 is required.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECP 4703</td>
<td>Managerial Economics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Finance: Select One 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3303</td>
<td>Financial Markets or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3504</td>
<td>Investment Analysis</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Management: Select One 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3113</td>
<td>How to Start a Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3301</td>
<td>Management of Human Resources or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4240</td>
<td>Organizations: Theory and Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4441</td>
<td>Conflict Resolution and Negotiation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Marketing: Select One 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3403</td>
<td>Sales Force Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3613</td>
<td>Marketing Analysis and Research or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4156</td>
<td>International Marketing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4841</td>
<td>Services Marketing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (12 hrs)

- Restricted electives are to be taken from two different departments and from the courses listed above or below from Economics, at least two of the restricted electives must be at the 4000 level.
- Any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. The substitution must be petitioned and have prior written approval.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3223</td>
<td>Money and Banking</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECP 3203</td>
<td>Labor Economics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements (4 hrs)

- This course is taken in the graduating term and requires the following prerequisites:
  - FIN 3403C Business Finance 4 hrs
  - 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - 2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

### 7. Foreign Language Requirements

- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

#### 8. Electives
- General electives as required to reach 120 semester hours.

#### 9. Additional Requirements

- Students desiring to complete the General Business major as a second major within the College of Business Administration must complete 24 hours in the second major beyond the courses required for the General Business major.
- Students in the General Business major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher, Business courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major.
- Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Business courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Business courses in a subsequent term, that student will be dropped as a General Business major. A student who is dropped may seek remittance as A General Business major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Business GPA of 2.0 or higher. Readmission is not automatic.

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- None

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

### Total Semester Hours Required

- 120

#### Honors in Major
- None

#### Related Programs
- None

#### Certificates
- None

#### Related Minors
- None

#### Advising Notes

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I.
- Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- ACG 2021-Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study

**Freshman Year - Fall** 15 hrs
- ENC 1101 Composition I 3 hrs
- **SPC 1608** Fundamentals of Oral Communication 3 hrs
- 1 Must complete nine hours in a summer term.

**Freshman Year - Spring** 15 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs

**Sophomore Year - Fall** 15 hrs
- **1 ACG 2021** Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- 1 “C” (2.0) or better grade required in each class. Student should choose to major in one of the two areas of study below.

**Sophomore Year - Spring** 15 hrs
- **AGC 2071** Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs

**Junior Year - Fall** 16 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- **1 GEB 3031** Cornerstone: Professional Skills for Business 3 hrs
- **2 GEB 3031L** Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025 Management of Organizations 4 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs
- 1 Required in 1st or 2nd semester
- 2 Must be taken with GEB 3031

**Junior Year - Spring** 15 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAR 3023 Marketing 4 hrs

**Senior Year - Fall** 16 hrs
- **1 GEB 3375** Introduction to International Business 4 hrs
- **Suggested** BSC 2010C Biology I 4 hrs
- **Suggested** CHM 1032 General Chemistry 3 hrs
- **Students take 3 restrictive electives from approved list described above**

**Senior Year - Spring** 13 hrs
- ECP 4703 Managerial Economics 3 hrs
- MAN 4720 Strategic Management 4 hrs

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**Health Informatics and Information Management (B.S.)**

**College of Health and Public Affairs**

**Department of Health Management and Informatics,**

**Health and Public Affairs II, Room: 210**

**http://www.cohpa.ucf.edu/hmi/bshim.cfm**

Dr. Alice M. Noblin, anoblin@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 Public University/Community College System.
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program.
- UCF Residency Requirement: 30 hours
- 1. UCF General Education Program (GEP) (37 hrs)
  - A: Communication Foundations (9 hrs)
  - B: Cultural & Historical Foundations (9 hrs)
  - C: Mathematical Foundations (6 hrs)
  - D: Social Foundations (6 hrs)
  - E: Science Foundations (7 hrs)
- 2. UCF Degree Programs
  - Suggested MAC 1105C College Algebra 3 hrs
  - Suggested STA 2014C Principles of Statistics 3 hrs

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UCF Degree Programs

2. Common Program Prerequisites (CPP) (17 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 1 ZOO 3733C Human Anatomy 4 hrs
   - PCB 3703C Human Physiology 4 hrs
   - STA 2014C Principles of Statistics GEP
   - 1 CGS 2100C Computer Fundamentals for Business 3 hrs
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - See Transfer Notes

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (66 hrs)
   - HSC 3147C Introduction to Pharmacology 3 hrs
   - HSA 3170 Health Care Finance 3 hrs
   - HSA 4109 Principles of Managed Care 3 hrs
   - HSA 4191 Health Care Automation 3 hrs
   - HSA 4702 Health Sciences Research Methods 3 hrs
   - HSC 3537 Medical Terminology 3 hrs
   - HSC 4555 Pathophysiology I 3 hrs
   - HSC 4558 Pathophysiology II 3 hrs
   - HIM 3006 Foundations of Health Information Management (HIM) 4 hrs
   - HIM 3116C Professional Practice Experience I 3 hrs
   - HIM 3806C Professional Practice Experience II 3 hrs
   - HIM 4226C Coding Procedures I 5 hrs
   - HIM 4256C Coding Procedures II 3 hrs
   - HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
   - HIM 4344C Health Information Department Management 4 hrs
   - HIM 4508C Quality Management 3 hrs
   - HIM 4656C Health Information Management Systems 3 hrs
   - HIM 4938 Management Affiliation 5 hrs
   - Select 1: 3 hrs
     - HSA 4180 Organization & Management for Health Agencies I or II 3 hrs
     - MAN 3025 Management of Organizations 4 hrs

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum 2.5 overall GPA is required for graduation.
    - Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - Health Services Administration
   - Business Administration
   - Computer Science

Certificates
   - None

Related Minors
   - Health Services Administration
   - Business
   - Computer Science

Advising Notes
   - None

Transfer Notes
   - Community College Equivalents:
     - Human Anatomy & Physiology I & II (BSC X085 and X086)
     - Financial Accounting (ACG 2021)
     - Managerial Accounting (ACG 2071)
     - Statistics (STA 2014C or any other statistics course)
     - Computer Science for Business (CGS 2100C)

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study

Freshman Year - Fall
   - ENC 1101 Composition I 3 hrs
   - CHM 1032 General Chemistry 3 hrs
   - HSC 2000 Introduction to the Allied Health Professions 2 hrs
   - MAC 1105C College Algebra 3 hrs
   - Select 1: 3 hrs
     - PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring
   - ENC 1102 Composition II 3 hrs
   - STA 2014C Principles of Statistics 3 hrs
   - BSC 2010C Biology I 4 hrs
   - Select 1: 3 hrs
     - EJH 2000 Western Civilization I or HUM 2210 Humanistic Tradition I or AMH 210 U.S. History: 1492-1877 3 hrs

Select 1:
   - POS 2041 American National Government or ECO 2013 Principles of Macroeconomics 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
   - Select 1: 3 hrs
     - EJH 2001 Western Civilization II or HUM 2230 Humanistic Tradition II or AMH 220 U.S. History: 1877-Present 3 hrs

Sophomore Year - Spring
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - PCB 3703C Human Physiology 4 hrs
   - SPC 1608 Fundamentals of Oral Communication 3 hrs
   - Select 1: 3 hrs
     - ARH 2050 History of Western Art I or ARH 2051 History of Western Art II or MUL 2010 Enjoyment of Music or THE 2000 Theatre Survey or REL 2300 World Religions or PHI 2010 Introduction to Philosophy or LIT 2110 World Literature I or LIT 2120 World Literature II 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

210 Undergraduate Catalog 2012-2013
Health Sciences - Pre-Clinical Track (B.S.)

Admission Requirements
- None

Degree Requirements
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.
- Students must achieve at least 2.5 overall GPA for graduation.
- No transfer course will be accepted with a grade lower than a “C.”

1. UCF General Education Program (GEP) (38 hrs)
   A: Communication Foundations
   Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)

   C: Mathematical Foundations (6 hrs)
   1 Required MAC 1105C College Algebra 3 hrs

   D: Social Foundations (6 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

3. Core Requirements: Basic Level (20 hrs)
   1 CHM Chemistry Fundamentals I 4 hrs
   2045C
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   DEP 2004C Developmental Psychology 3 hrs
   HUN 2002 Modern Concepts in Nutrition 3 hrs
   PHY 2053C College Physics I GEP
   PHY 2054C College Physics II 4 hrs

4. Core Requirements: Professional Development (12 hrs)
   HSC 4008 Professional Development in Health Professions 3 hrs
   HSC 4702 Health Sciences Research Methods 3 hrs
   HSC 4710 Biostatistics 3 hrs
   HSC 4816C Professional Practice Experience I 3 hrs
   HSC 4816C Professional Practice Experience II 3 hrs

5. Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/alc/academic_learning_compacts.htm

6. Equipment Fees
   - Part-Time Student: $15.00 per term
   - Full-Time Student: $30.00 per term

7. Health Sciences - Pre-Clinical Track (B.S.)

Department of Health Professions, Health and Public Affairs II, Room: 118

- Dr. Suha Saleh, pcinfo@ucf.edu, 407-823-2747
- http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml

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 such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

8. Program Learning Outcomes
   - Students must earn appropriate score on placement exam prior to enrolling in these classes.
   - 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.
UCF Degree Programs

4. Core Requirements: Advanced Level (29 hrs)
   - HSA 4702 Health Sciences Research Methods 3 hrs
   - HSC 3147 Introduction to Pharmacology 3 hrs
   - HSC 3211 Preventive Health Care 3 hrs
   - HSC 4555 Pathophysiology I 3 hrs
   - HSC 4652 Health Law and Ethics 3 hrs
   - HSC 4558 Pathophysiology II 3 hrs
   - HSC 4501 Epidemiology of Chronic Diseases 3 hrs
   - PCB 3703C Human Physiology 4 hrs
   - ZOO 3733C Human Anatomy 4 hrs

5. Restricted Electives (30 hrs)
   - Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of certain science classes.
   - Students must meet restricted elective credit hour requirements and UCF upper division credit hour requirements. These are suggested electives based on disciplines, but it is the student’s responsibility to check with graduate programs to meet prerequisites.
   - Students are advised to check the Program’s website for updated information and suggested electives for specific Health Professions Graduate Programs.

   BCH 4053 Biochemistry I 3 hrs
   CHM 2210 Organic Chemistry I 3 hrs
   CHM 2205 Introduction to Organic and Biochemistry 5 hrs
   BSC 2011C Biology II 4 hrs
   CHM 2211 Organic Chemistry II 3 hrs
   CHM 2211L Organic Laboratory Techniques I 2 hrs
   HSA 3111 U.S. Health Care Systems 3 hrs
   HSC 3110 Medical Self Assessment 3 hrs
   HSC 3537 Medical Terminology 3 hrs
   HSC 3559 Disabilities in American Society 3 hrs
   HSC 3593 HIV Disease: A Human Concern 3 hrs
   HSC 3432 Occupational Safety for the Health Care Professional 3 hrs
   HSC 4008 Professional Development in Health Professions 3 hrs
   HSC 4564 Health Care Needs of the Elderly 3 hrs
   HSC 4572 Clinical Nutrition 3 hrs
   HSC 4750 Applied Health Research Methodology 3 hrs
   MCB 2004C Microbiology for Health Professionals 4 hrs
   MCB 3020C General Microbiology 5 hrs
   MCB 4503C Virology 3 hrs
   PCB 3063 Genetics 3 hrs
   PCB 3063L Genetics Laboratory 1 hr
   PCB 3233 Immunology 3 hrs
   PCB 3233L Immunology Laboratory 1 hr
   PCB 4805 Endocrinology 3 hrs
   ATR 3203C Upper Extremity Function and Measurement 3 hrs
   ATR 3204C Lower Extremity Function and Measurement 3 hrs
   ATR 3312C Injury, Management, and Rehabilitation 3 hrs
   PET 4606 Applied Fitness in Sport 3 hrs
   SYO 4400 Medical Sociology 3 hrs
   ZOO 3744 Neurobiology 3 hrs
   ZOO 3743C Clinical Neuroanatomy and Neuroscience 4 hrs
   ZOO 4753C Human Histology 4 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
   - None

8. Electives
   - Students who transfer in with a Florida public community college AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.

9. Additional Requirements
   - None

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Students must achieve at least 2.5 overall GPA for graduation.
   - A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.
   - Students must take a minimum of 30 hours of upper-division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences-Pre-Clinical Track.

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, 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
- Athletic Training

Certificates
- None

Related Minors
- Biology
- Business
- Applied Chemistry
- Education
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Psychology
- Science Education

Advising Notes
- Students should consult with a college advisor each semester.
- Students should consult a pre-professional advisor before making application to a graduate program.
- Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.

Transfer Notes
- Completion of a Florida public community college Associate of Arts Degree is strongly recommended.
- Students who transfer an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- Students who begin a two-semester sequence course (e.g. General Chemistry, College Physics) at a Florida public community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF.
- Students who take Anatomy and Physiology at a Florida community college may be required to complete additional upper division credits in order to meet University graduation requirement of 48 credit hours of upper division (3000-4000) level credits.
Acceptable Substitutes for Transfer Courses
- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 1020 and BSC 1020L).
- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 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 requirement required for UCF 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 15 hrs
BSC 2010C Biology I 4 hrs
MAC 1105C College Algebra 3 hrs
ENC 1101 Composition I 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
Select 1: 3 hrs
STA 2014C Principles of Statistics or
STA 2023 Statistical Methods I 3 hrs
Select 1: 3 hrs
MUL 1010 Enjoyment of Music or
REL 2300 World Religions or
THE 2000 Theatre Survey or
PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 14 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
DEP 2004C Developmental Psychology 3 hrs
ZO 3733C Human Anatomy 4 hrs
Select 1: 3 hrs
EUH 2000 Western Civilization I or
AMH 2100 U.S. History: 1492-1877 or
HUM 2210 Humanistic Tradition I 3 hrs

Sophomore Year - Spring 16 hrs
PCB 3703C Human Physiology 4 hrs
HUN 2022 Modern Concepts in Nutrition 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
MAC 1114C College Trigonometry 3 hrs
Select 1: 3 hrs
EUH 2001 Western Civilization II or
HUM 2230 Humanistic Tradition II or
AMH 2020 U.S. History: 1877-Present 3 hrs

Junior Year - Fall 13 hrs
PHY 2053C College Physics I 4 hrs
HSC 4555 Pathophysiology I 3 hrs
Restricted Elective 3 hrs
Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or
ECO 2023 Principles of Microeconomics 3 hrs

Junior Year - Spring 16 hrs
PHY 2054C College Physics II 4 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSC 4558 Pathophysiology II 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
HSC 3211 Preventive Health Care 3 hrs
HSC 4652 Health Law and Ethics 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
HSC 4501 Epidemiology of Chronic Diseases 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Health Services Administration (B.S.)
Department of Health and Public Affairs
College of Health and Public Affairs, Health and Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hmi/
Email: hsainfo@ucf.edu
Dr. Bernardo Ramirez, Undergraduate Program Director
Dr. Jennifer Sumner, Director of Internship Programs
Dr. Myron Fottler, Exec. Director of HSA Programs
Phone: 407-823-2359

This program is currently available online and in the classroom. Students who choose to take online courses are urged to complete either CGS 2100C or CGS 1060C prior to enrolling in online-based courses. After enrolling in online courses, students should visit http://learn.ucf.edu. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see http://distrib.ucf.edu/home.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor prior to first semester of enrollment.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
  - UCF Residency Requirement: 30 hours
  - HSA Residency Requirement: Students must complete at least 45 credit hours of the core requirements at UCF in the department of Health Management and Informatics.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
D: Social Foundations (6 hrs)
Suggested ECO 2023 Principles of Microeconomics 3 hrs
Select 1: 3 hrs
- Prefer PSY 212 General Psychology or 3 hrs
- Prefer SYG 2000 Introduction to Sociology 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.

3. Core Requirements: Basic Level
- None
4. Core Requirements: Advanced Level (48 hrs)
- Students must earn a “C” (2.0) or better in each Core Requirement

5. Restricted Electives
- None
6. Capstone Requirements (3 hrs)
- HSA 4893 Health Services Administration Capstone 3 hrs
7. Foreign Language Requirements Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
8. Electives
- Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

9. Additional Requirements
- As a requirement for the Bachelor of Science in Health Services Administration major, students must complete an internship within the administrative realm of an actual health care organization. Many health care organizations will require that students complete a background check, which may include, but not be limited to, law enforcement finger printing, state driving records, credit reports, and criminal records check. The cost of the background check is the student’s responsibility. Background checks may take time to complete and, subsequently, could delay the student’s internship placement. It is advised that, in the semester prior to the internship, the student contact the organization directly to obtain further information on the organization’s background check requirements. Students who have potential background issues must contact the Director of Internships to schedule an interview in order to discuss the impact on field placement. The Health Services Administration Program cannot guarantee internship placement or subsequent degree completion for students who do not pass background checks.

10. Required Minors
- None
11. Departmental Exit Requirements
- Students must earn a “C” (2.0) or better in each Health Services Administration course.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
120

Honors in Major
- Interested students should consult with a faculty advisor.

Related Programs
- Public Administration
- Health Informatics and Information Management
- Certificates
- Aging Studies

Related Minors
- Aging Studies
- Health Informatics and Information Management
- Health Sciences
- Public Administration

Advising Notes
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
- A variety of internship opportunities are available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.
- Students will be assigned a faculty member for the purpose of career advising.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health 2 hrs
- MAC 1105C College Algebra 3 hrs
- Free Elective 3 hrs
Senior Year - Spring 15 hrs
PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology 3 hrs

Freshman Year - Spring 12 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
PSC 1121 Physical Science or 3 hrs
CHM 1020 Concepts in Chemistry 3 hrs

Select 1: 3 hrs
MUL 2010 Enjoyment of Music or 3 hrs
THE 2000 Theatre Survey or 3 hrs
REL 2000 World Religions or 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 15 hrs
ECO 2023 Principles of Microeconomics 3 hrs
BSC 1005 Biological Principles 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
AGC 2021 Principles of Financial Accounting 3 hrs

Select 1: 3 hrs
EUH 2000 Western Civilization I or 3 hrs
HUM 2210 Humanistic Tradition I or 3 hrs
AMH 2010 U.S. History: 1492-1877 or 3 hrs
WOH 2012 World Civilization I or 3 hrs

Sophomore Year - Spring 12 hrs
AGC 2071 Principles of Managerial Accounting 3 hrs
STA 2023 Statistical Methods I 3 hrs
Elective / Minor 3 hrs

Select 1: 3 hrs
EUH 2001 Western Civilization II or 3 hrs
HUM 2230 Humanistic Tradition II or 3 hrs
AMH 2020 U.S. History: 1877-Present or 3 hrs
WOH 2022 World Civilization II or 3 hrs

Sophomore Year - Summer 8 hrs
Select 1: 3 hrs
Elective / Minor 3 hrs

Select 1: 3 hrs
Elective / Minor 3 hrs

1 Foreign Language 4 hrs

If not satisfied in high school

Junior Year - Fall 15 hrs
HSA 3111 U.S. Health Care Systems 3 hrs
HSC 3537 Medical Terminology 3 hrs
HSC 4201 Community Health 3 hrs
HSA 3222 Long Term Care and Administration 3 hrs
Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
HSA 3170 Health Care Finance 3 hrs
HSC 4500 Epidemiology 3 hrs
HSA 4180 Organization & Management for Health Agencies I 3 hrs
HSA 4191 Health Care Automation 3 hrs
Elective / Minor 3 hrs

Senior Year - Fall 15 hrs
HSA 3430 Health Care Economics 3 hrs
HSA 4184 Organization & Management for Health Agencies II 3 hrs
HIM 4508C Quality Management 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
HSA 4109 Principles of Managed Care 3 hrs
HSC 4564 Health Care Needs of the Elderly 3 hrs
HSC 4652 Health Law and Ethics 3 hrs
HSA 4939 Health Services Administration Capstone 3 hrs
HSA 4850 Health Services Administration Internship 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

History (B.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
[http://history.cah.ucf.edu/](http://history.cah.ucf.edu/)

Email: history@ucf.edu

Dr. John Sacher, Interim 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.
- 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 complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
     - Required AMH 2010 U.S. History: 1492-1877 3 hrs
     - Required AMH 2020 U.S. History: 1877-Present 3 hrs
   - Select one course from 1.B.1 list 3 hrs

2. Common Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
     - AMH 2010 U.S. History: 1492-1877 GEP
     - AMH 2020 U.S. History: 1877-Present GEP

3. Core Requirements: Basic Level (6 hrs)
   - Select one of the following sequences of courses:
     - Select one sequence
       - EUH 2000 Western Civilization I and 3 hrs
       - EUH 2001 Western Civilization II 3 hrs
       - or
       - WOH 2012 World Civilization I and 3 hrs
       - WOH 2022 World Civilization II 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   - HIS 4150 History and Historians 3 hrs
UCF Degree Programs

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

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction
- Select primarily from upper level courses after meeting
- preferably one functional in their area of historical interest.

8. Electives

- Select three hours of approved history courses

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in upper division
- required courses attempted.
- Submit a portfolio during the semester of graduation.
- The portfolio will include 8-12 examples of graded, written
- work from UCF History classes.
- Computer competency met by completion of the major.
- Students must complete at least 18 of the required 36
- History credit hours at UCF.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be
- completed in residency at UCF
- A maximum of 45 hours of correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon
- Rule, and nine hours of Summer credit

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Humanities

Certificates

- None

Related Minors

- African - American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Women's Studies
- American Studies
- Middle Eastern Studies

Advising Notes

- None

Transfer Notes

- Grades below “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute
- for upper division courses.

Courses transferred from private and out-of-state
schools must be evaluated for equivalency credit. The
student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- AMH 2010  U.S. History: 1492-1877  3 hrs
- AMH 2020  U.S. History: 1877-Present  3 hrs

Plan of Study

- One of numerous possible plans of study. See program
- description for all requirements.

Freshman Year - Fall

- AMH 2010  U.S. History: 1492-1877  3 hrs
- ENC 1101  Composition I  3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall

- SPN 1121C  Elementary Spanish Language and
- Civilization I  4 hrs
- GEP 3 hrs
- Core Course 3 hrs
- GCS 1080C  Introduction to Computer Science 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Spring

- SPN 1121C  Elementary Spanish Language and
- Civilization II  4 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall

- HIS 4150  History and Historians  3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

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 4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning
- outcomes) for undergraduate programs are located at:
- http://www.oas.ucf.edu/alc/academic_learning_compacts.htm
## Hospitality Management (B.S.)

**Rosen College of Hospitality Management**  
Department of Hospitality Services,  
9907 Universal Boulevard, Orlando, FL 32819  
[http://www.hospitality.ucf.edu](http://www.hospitality.ucf.edu)  
Email: hospitality@mail.ucf.edu  
Dr. Fevzi Okumus, Department Chair  
Dr. Abraham Pizam, Dean  
Phone: 407-903-8000

### Admission Requirements
- None

### Degree Requirements
- None

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Component</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>(6 hrs)</td>
</tr>
</tbody>
</table>

**Required**  
MAC 1105C College Algebra **3 hrs**  

**Select 1:**  
Required:  
- CGS 2100C Computer Fundamentals for Business **3 hrs**  
- STA 2023 Statistical Methods I **3 hrs**

#### 2. Common Program Prerequisites (CPP) (3 hrs)

**Select 1:**  
Required:  
- ECO 2013 Principles of Macroeconomics **3 hrs**  
- ECO 2023 Principles of Microeconomics **3 hrs**

#### 3. Core Requirements: Basic Level (34 hrs)

**Hospitality Management Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 2211C</td>
<td>Techniques of Food Preparation</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>Hospitality Industry Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3444</td>
<td>Hospitality Information Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3603</td>
<td>Legal Environment in the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4464</td>
<td>Hospitality Industry Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4295</td>
<td>Leadership and Strategic Management in the Hospitality Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Quantitative Tools**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>GEP</td>
</tr>
</tbody>
</table>

**Select 1:**

- CGS 2100C Computer Fundamentals for Business **GEP**
- STA 2023 Statistical Methods I **GEP**

**Select 1:**

- ECO 2013 Principles of Macroeconomics **GEP**
- ECO 2023 Principles of Microeconomics **GEP**

#### 4. Core Requirements: Advanced Level (21 hrs)

**Sectoral Core (Choose 6 of the Following)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2254</td>
<td>Lodging Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3700</td>
<td>Tourism Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2750</td>
<td>The Event Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3263</td>
<td>Restaurant Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3273</td>
<td>Principles of Resort Timesharing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4755</td>
<td>Theme Park and Attraction Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4277</td>
<td>Yacht, Country, And City Club Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Internships**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3940</td>
<td>Internship I</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4941</td>
<td>Internship II</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4944</td>
<td>Internship III</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives (15 hrs)

- Students must select one of the following options to fulfill their hospitality management restricted elective requirement.

**Required Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 3008</td>
<td>Culture and Cuisine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 4135</td>
<td>Corporate Contract and Managed Services Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 4286C</td>
<td>Catering and Banquet Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3553</td>
<td>Golf Planning &amp; Operations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3554</td>
<td>Agronomy for Golf Course Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3557</td>
<td>Golf &amp; Club Event Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3384</td>
<td>Golf and Club Enterprises Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3654</td>
<td>Franchising in the Restaurant Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3741</td>
<td>Meeting Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3798</td>
<td>Fairs and Festivals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3868</td>
<td>History and Culture of Wine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4253</td>
<td>Hotel Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4266</td>
<td>Restaurant Brand Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4268</td>
<td>Case Studies in Restaurant Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4274</td>
<td>Resort Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4281</td>
<td>Restaurant Leadership Strategies and Tactics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning and Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4358</td>
<td>Golf &amp; Club Facility Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4432</td>
<td>Hospitality Industry Auditing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4522</td>
<td>Resort Sales Tactics and Strategies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4561</td>
<td>Destination Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4614</td>
<td>Risk Management in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4735</td>
<td>Tourism Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4736</td>
<td>Destination Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4762</td>
<td>Current Practices in the Airline Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4787</td>
<td>Operational Issues in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4796</td>
<td>International Events</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4864</td>
<td>Seminar in Quality Brewing and Fine Beer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4866C</td>
<td>Exploring Wines of the World</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4894</td>
<td>International Gastronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4922</td>
<td>Food Service Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUN 3013</td>
<td>Nutrition Concepts and Issues in the Food Service Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Specialized Tracks**

- Students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

**Theme Park and Attraction Management Track**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4614</td>
<td>Risk Management in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Plan of Study
- Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall 12 hrs
- ENC 1101 Composition I 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

Select 1: 3 hrs
- GSS 2100C Computer Fundamentals for Business or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- ANT 2511 The Human Species 3 hrs

Sophomore Year - Fall 15 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- AST 2002 Astronomy 3 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs
- HFT 2254 Lodging Operations or 3 hrs
- HFT 2750 The Event Industry 3 hrs

Sophomore Year - Spring 13 hrs
- FSS 2221C Techniques of Food Preparation 4 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- ANT 2511 The Human Species 3 hrs

Junior Year - Fall 14 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3940 Internship I 1 hr

Junior Year - Spring 16 hrs
- HFT 4941 Internship II 1 hr

Select 4: 12 hrs
- HFT 2750 The Event Industry or 3 hrs
- HFT 2254 Lodging Operations or 3 hrs
- HFT 3700 Tourism Management or 3 hrs
- HFT 3263 Restaurant Management or 3 hrs
- HFT 3273 Principles of Resort Timesharing or 3 hrs
- HFT 4755 Theme Park and Attraction Management or 3 hrs
- HFT 4277 Yacht, Country, And City Club Management 3 hrs

Senior Year - Fall 15 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4454 Hospitality Industry Finance 3 hrs
- HFT 4944 Internship III 1 hr

Senior Year - Spring 15 hrs
- HFT 4295 Hospitality Industry Managerial Accounting 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Full-Time Student: $75 per term
Humanities (B.A.)
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Dr. Claudia Schippert
Dr. Shelley Park
Phone: 407-823-2273

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
Co-op or internship credit cannot be used in this major without prior approval by the chair.
Students must earn at least a C (2.0) in each required course.
Students should consult with a departmental advisor.
Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses used to fulfill another major may be simultaneously applied to the B.A. in Humanities.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
   Suggested HUM 2210 Humanistic Tradition I
   Suggested HUM 2230 Humanistic Tradition II
Select 1: 3 hrs
   Prefer PHI 2010 Introduction to Philosophy or
   Prefer REL 2300 World Religions
C: Mathematical Foundations (6 hrs)
Math 6 hrs
   Suggested MGF 1107 Explorations in Mathematics
   Suggested MGF 1108 Finite Mathematics
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

2. Common Program Prerequisites (CPP)
   None

3. Core Requirements: Basic Level (6 hrs)
   HUM 2210 Humanistic Tradition I GEP
   HUM 2230 Humanistic Tradition II GEP
   HUM 2020 Encountering the Humanities
   HUM 4933 Senior Research Seminar
4. Core Requirements: Advanced Level (24 hrs)
   Concentrations (choose one):
   Note: Appropriate new or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

Classical Humanities 24 hrs
Western Traditions and Applications 9 hrs
   ARH 4310 Italian Renaissance Art or 3 hrs
   ARH 4170 Greek & Roman Art or 3 hrs
   HUM 3552 Christian Thought or 3 hrs
   HUM 3553 Moses, Jesus and Muhammad or 3 hrs
   CLT 3370 Classical Mythology or 3 hrs
   CLT 3378 Comparative Mythology or 3 hrs
   JST 3401 Jewish People in Antiquity or 3 hrs
   REL 3432 Roots of Western Mysticism or 3 hrs

   1 PHH 3100 Ancient Philosophy or 3 hrs
   1 PHH 3200 Medieval Philosophy or 3 hrs
   1 PHH 3460 Modern Western Philosophy 3 hrs

World Intellectual Traditions 6 hrs
   ANT 3245 Native American Religions or 3 hrs
   HUM 3401 Asian Humanities or 3 hrs
   HUM 3417 Hindu Thought and Culture or 3 hrs
   HUM 3419 Islamic Thought and Culture or 3 hrs
   HUM 3460 Latin American Humanities or 3 hrs
   HUM 4303 The Spiritual Ideal or 3 hrs
   HUM 4554 Religious Quest and Human Dilemma or 3 hrs
   PHI 3790 African Philosophy or 3 hrs
   PHP 3781 African-American Philosophy or 3 hrs
   REL 3340 Buddhist Thought 3 hrs

Foundations 3 hrs
   HUM 4301 The Classical Ideal 3 hrs

Select 2: 6 hrs
   HUM 3431 Ancient Humanities or 3 hrs
   HUM 3435 Medieval Humanities or 3 hrs
   HUM 3255 Modern Humanities 3 hrs

Multicultural Humanities 24 hrs
Traditions and Applications 15 hrs
   ANT 3311 Indians of the Southeastern United States or 3 hrs
   ARH 3520 African Art or 3 hrs
   HUM 3401 Asian Humanities or 3 hrs
   HUM 3417 Hindu Thought and Culture or 3 hrs
   HUM 3419 Islamic Thought and Culture or 3 hrs
   HUM 3553 Moses, Jesus and Muhammad or 3 hrs
   HUM 3460 Latin American Humanities or 3 hrs
   JST 3401 Jewish People in Antiquity or 3 hrs
   PHH 3701 Native American Philosophy or 3 hrs
   PHM 3123 Feminist Theories or 3 hrs
   PHI 3790 African Philosophy or 3 hrs
   HUM 4823 Queer Theory in the Humanities 3 hrs

Foundations 3 hrs
   HUM 3320 Contemporary Multicultural Studies 3 hrs

Select 1: 3 hrs
   HUM 3431 Ancient Humanities or 3 hrs
   HUM 3435 Medieval Humanities or 3 hrs

Select 1: 3 hrs
   HUM 3252 Contemporary Humanities or 3 hrs
   HUM 3255 Modern Humanities 3 hrs

Critical Humanities 24 hrs
Foundations 9 hrs
   HUM 3255 Modern Humanities and 3 hrs
   HUM 3252 Contemporary Humanities and 3 hrs
   PHI 4804 Critical Theory 3 hrs

Traditions and Applications 15 hrs
   HUM 4330 Performance Theory or 3 hrs
   HUM 4554 Religious Quest and Human Dilemma or 3 hrs
   HUM 3394 Representations of Place and Space or 3 hrs
   PHH 3510 Marx and Nietzsche or 3 hrs
   PHI 3638 Ethical Issues in the 21st Century or 3 hrs
   PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
   PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
   PHM 3123 Feminist Theories or 3 hrs
   PHP 3781 Existentialism or 3 hrs
   PHP 4782 Phenomenology or 3 hrs
   REL 3111 Religion and Philosophy Through Film or 3 hrs
   REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
   HUM 4823 Queer Theory in the Humanities 3 hrs

5. Restricted Electives (3 hrs)
   Select one course from the ‘Traditions and Applications’ category in the concentrations that are not being used to satisfy Core Requirements, or other courses as approved by advisor.

Select 1: 3 hrs
   HUM 4330 The Spiritual Ideal or 3 hrs
   PHI 3700 Philosophy of Religion or 3 hrs
   PHI 3800 Aesthetics or 3 hrs
   Or other courses as approved by advisor 3 hrs
6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None
10. Required Minors
- None
11. Departmental Exit Requirements
- Earn a "C" (2.0) or better in each required course.
- Departmental Exit Exam in final semester.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:
  - HUM 4970H Undergraduate Honors Thesis  3 hrs
  - HUM 4933 Senior Research Seminar  3 hrs
  - STA 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 (33 hrs)
- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major.
- Requirements are as follows:
  - Honors Thesis
    - HUM 4903H Honors Directed Reading I  3 hrs
    - HUM 4970H Undergraduate Honors Thesis  3 hrs
  - Additional Requirements
    - Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
    - Fulfill University requirements for Honors in the Major.
    - Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5.
    - Successful completion and oral defense of Honors thesis.
    - Earn a "B" (3.0) or better in both of the following:
      - HUM 4903H Honors Directed Reading I  3 hrs
      - HUM 4970H Undergraduate Honors Thesis  3 hrs
  - Core and Elective Requirements
    - Same requirements as for regular majors.

Related Programs
- Religious Studies
- Philosophy
- Humanities - Philosophy, Religion, & Popular Culture Track

Certificates
- None

Related Minors
- Environmental Studies
- Humanities
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 16 hrs
- ENC 1101 Composition I  3 hrs
- HUM 2210 Humanistic Tradition I  3 hrs
- MGF 1106 Finite Mathematics  3 hrs
- HUM 2020 Encountering the Humanities  3 hrs
- Foreign Language  4 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II  3 hrs
- HUM 2230 Humanistic Tradition II  3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel  3 hrs
- Foreign Language  4 hrs

Select 1:  3 hrs
- REL 2300 World Religions or
- PHI 2101 Introduction to Philosophy  3 hrs

Sophomore Year - Fall 12 hrs
- GEP  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- Restricted Elective  3 hrs

Sophomore Year - Spring 15 hrs
- GEP  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Supportive Elective  3 hrs
- Supportive Elective  3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Supporting Elective  3 hrs
- Supporting Elective  3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Supporting Elective  3 hrs
- Supporting Elective  3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs

Senior Year - Spring 16 hrs
- HUM 4933 Senior Research Seminar  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  4 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Full-Time Student:

Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Shelley Park, Shelley.Park@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)
   Suggested HUM 2210 Humanistic Tradition I 3 hrs
   Suggested 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)
   Suggested HUM 2210 Humanistic Tradition I 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)
   Math 6 hrs
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers
- 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 (18 hrs)
   Core Requirements
   Theoretical Foundations 6 hrs
   PHI 3684 Ways of Living and 3 hrs
   PHI 4341 Ways of Knowing 3 hrs
   Philosophy 6 hrs
   PHI 3670 Ethical Theory or 3 hrs
   PHI 3700 Philosophy of Religion or 3 hrs
   PHI 4804 Critical Theory or 3 hrs
   PHI 4300 Theories of Knowledge or 3 hrs
   PHI 2108 Critical Thinking or 3 hrs

   Religion 6 hrs
   CLT 3378 Comparative Mythology or 3 hrs
   HUM 3552 Christian Thought or 3 hrs
   HUM 3553 Moses, Jesus and Muhammad or 3 hrs
   HUM 3417 Hindu Thought and Culture or 3 hrs
   HUM 3419 Islamic Thought and Culture or 3 hrs
   HUM 4303 The Spiritual Ideal or 3 hrs
   HUM 4554 Religious Quest and Human Dilemma or 3 hrs
   PHI 3750 The Problem of Evil 3 hrs

   Popular Culture Studies 12 hrs
   Contemporary Media 6 hrs
   HUM 3320 Contemporary Multicultural Studies or 3 hrs
   HUM 4556 Religion and the Arts or 3 hrs
   HUM 4330 Performance Theory or 3 hrs
   PHI 3625 Virtual Ethics or 3 hrs
   PHI 4931 Philosophy in the News or 3 hrs
   POS 3235 Mass Media and Politics or 3 hrs
   POS 3258 Politics in Film or 3 hrs
   REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
   REL 3111 Religion and Philosophy Through Film or 3 hrs
   SYP 3630 Popular Culture In Society 3 hrs

   Contemporary Forms of Life 6 hrs
   ANT 3302 Sex, Gender and Culture or 3 hrs
   HUM 3230 Contemporary Humanities or 3 hrs
   PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
   PHI 3629 Family Values or 3 hrs
   PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
   HUM 3123 Theories of Embodiment: Mind/Body/Self or 3 hrs
   PHI 3401 Philosophy of Law or 3 hrs
   PHI 3638 Ethical Issues in the 21st Century or 3 hrs
   PHI 3020 Philosophy of Love or 3 hrs
   PHI 3123 Feminist Theories or 3 hrs
   PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
   REL 3131 Religion in America or 3 hrs
   HUM 4823 Queer Theory in the Humanities 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements (3 hrs)
   PHI 4933 Senior Research Seminar
   HUM 4933 Senior Research Seminar

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Departmental Exit Exam in final semester.
- Earn a “C” (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

   Computer Competency met by one of the following:
   HUM 4970H Undergraduate Honors Thesis 3 hrs
   HUM 4933 Senior Research Seminar 3 hrs
   STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
UCF Degree Programs

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
   ■ 120

Honors in Major
   ■ Students considering graduate school in humanities are strongly encouraged to take Honors in the Major.

Requirements are as follows:
   a. Core Requirements, Popular Culture and Capstone
      ■ Same requirements as for regular majors
   b. Honors Thesis
      ■ HUM 4903H Honors Directed Reading I 6 hrs
      ■ HUM 4970H Undergraduate Honors Thesis 3 hrs
   c. Additional Requirements of Honors in the Major
      ■ Application and admission through the Humanities Honors Coordinator
      ■ Fulfill University requirements for Honors in the Major
      ■ Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
      ■ Successful completion and oral defense of Honors thesis
      ■ No more than 2 courses (i.e., 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities: Philosophy, Religion & Popular Culture may be simultaneously applied to fulfill another major.
      ■ Earn a “B” (3.0) or better in both of the following:
         ■ HUM 4903H Honors Directed Reading I 3 hrs
         ■ HUM 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
   ■ Humanities
   ■ Philosophy
   ■ Religious Studies

Certificates
   ■ None

Related Minors
   ■ Humanities
   ■ Philosophy
   ■ Religious Studies

Advising Notes
   ■ None

Transfer Notes
   ■ Courses taken at community colleges do not substitute for Upper Division courses.
   ■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   ■ None

Plan of Study
   ■ None

Program Academic Learning Compacts
   ■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
   ■ Part-Time Student:
   ■ Full-Time Student:

Industrial Engineering (B.S.I.E.)
College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/
Dr. William Thompson, william.thompson@ucf.edu
Phone: 407-823-2204

Admission Requirements
   ■ Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
   ■ Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
   ■ Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program (GEP) (38 hrs)
   ■ The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

   A: Communication Foundations (9 hrs)
   ■ Required ENC 1101 Composition I 3 hrs
   ■ Required ENC 1102 Composition II 3 hrs
   ■ Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   ■ Select two courses from Historical Foundations 6 hrs
   ■ Select one class from Cultural Foundations 3 hrs

   C: Mathematical Foundations (7 hrs)
   ■ Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   ■ Required STA 3032 Probability and Statistics for Engineers 3 hrs

   D: Social Foundations (6 hrs)
   ■ Select 1:
      ■ Prefer ECO 2013 Principles of Macroeconomics or 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 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
   ■ These courses are specifically required for all engineering students of the Florida State University System.
   ■ CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in this section.
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1 MAC 2311C Calculus with Analytic Geometry I GEP
   1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
   1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
8. Electives
Graduation proficiency exam) prior to graduation.

7. Foreign Language Requirements

6. Capstone Requirements

5. Restricted Electives
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.

4. Core Requirements: Advanced Level (59 hrs)
Courses Required for the Major (59 hrs)
The Industrial Engineering and Management Systems department requires all students within the major to achieve a “C” (2.0) GPA or better in all courses in this section with a prefix of EIN, ESI and STA.
EGN 3613 Engineering Economic Analysis 2 hrs
EGN 4624 Engineering Administration 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
EIN 3001 Introduction to Industrial Engineering and Management Systems 3 hrs
EIN 3314 Work Analysis and Design 3 hrs
EIN 3354 Principles of Cost Engineering 3 hrs
ESI 4628C Industrial Engineering Applications of Computers 3 hrs
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
ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
ESI 4234 Quality Engineering 3 hrs
ESI 4312 Operations Research 3 hrs
ESI 4523C Systems Simulation 3 hrs
EIN 4517 Systems Engineering 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
COP 3223 Introduction to Programming with C 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
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 IE/MS undergraduate coordinator.

5. Restricted Electives (4 hrs)
Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
None
8. Electives
None

4. Core Requirements: Basic Level (2 hrs)
Engineering Core: Basic
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.
EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

5. Restricted Electives (4 hrs)
Select 1: 4 hrs
2 CHS 1440 Fundamentals of Chemistry for Engineers 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)
Courses Required for the Major 59 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 IE/MS undergraduate coordinator.

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements (6 hrs)
EIN 4516C Systems Analysis and Design 3 hrs
EIN 4891C Industrial Engineering Senior Design Project 3 hrs

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 48 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
128

Honors in Major
None

Related Programs
Mechanical Engineering

Certificates
None

Related Minors
None

Advising Notes
None

Transfer Notes
Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 5. Restricted Electives.

Acceptable Substitutes for Transfer Courses
None

Plan of Study (128 hrs)
Tentative Course Schedule for Entering Freshmen:
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
ENC 1101 Composition I 3 hrs
EGN 1006C Introduction to the Engineering Profession 1 hr
MAC 2311C Calculus with Analytic Geometry I 4 hrs
EIN 1440 Fundamentals of Chemistry for Engineers 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
PHY 2048C Physics for Engineers & Scientists I 4 hrs

Freshman Year - Summer 6 hrs
COP 3223 Introduction to Programming with C 3 hrs
Select 1: 3 hrs
EIN 3314 Principles of Cost Engineering 3 hrs

Sophomore Year - Fall 14 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
EIN 3001 Introduction to Industrial Engineering and Management Systems 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs
## UCF Degree Programs

### Sophomore Year - Spring 15 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EEL 4517 Systems Engineering 3 hrs
- EIN 4243C Human Engineering 3 hrs
- **Select 1:**
  - SPC 1608 Fundamentals of Oral Communication or 3 hrs
  - SPC 1603 Fundamentals of Technical Presentations 3 hrs

### Sophomore Year - Summer 8 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- GEP 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs

### Junior Year - Fall 15 hrs
- EIN 3314 Work Analysis and Design 3 hrs
- EIN 4391 Manufacturing Engineering 3 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs
- ESI 4312 Operations Research 3 hrs
- ESI 4626C Industrial Engineering Applications of Computers 3 hrs
- **Select 1:**
  - EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs
  - EGN 3343 Thermodynamics 3 hrs

### Junior Year - Summer 6 hrs
- GEP 3 hrs
- GEP 3 hrs

### Senior Year - Fall 13 hrs
- EIN 4516C Systems Analysis and Design 3 hrs
- ESI 4234 Quality Engineering 3 hrs
- Restricted Elective 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EGN 4624 Engineering Administration 3 hrs

### Senior Year - Spring 12 hrs
- EIN 4891C Industrial Engineering Senior Design Project 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oaes.ucf.edu/alclacademic_learning_compacts.htm](http://www.oaes.ucf.edu/alclacademic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $38 per term
- Full-Time Student: $77 per term

### Information Technology (B.S.)

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346**


**Email:** undergraduate@eecs.ucf.edu

Dr. Ali Orooji
Julie Faris
Phone: 407-823-3327

### Admission Requirements
- None

### Degree Requirements
- “C” (2.0) or better required in all prerequisites and courses required for the major.
- Students should consult with a departmental advisor.

- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the School of Computer Science at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.

1. **UCF General Education Program (GEP) (37 hrs)**
   - A: Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
   - **Select 1:**
     - Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

2. **C: Mathematical Foundations (6 hrs)**
   - Required STA 2023 Statistical Methods I 3 hrs
   - **Select 1:**
     - Suggested MAC 1105C College Algebra or 3 hrs
     - Suggested MAC 1140 Pre-Calculus Algebra 3 hrs

3. **D: Social Foundations (6 hrs)**
   - Required ECO 2013 Principles of Macroeconomics 3 hrs
   - Required PSY 2012 General Psychology 3 hrs

4. **E: Science Foundations (7 hrs)**
   - Required PHY 2053C College Physics I 3 hrs
   - Select one class from Science Foundations 3 hrs

5. **2. Common Program Prerequisites (CPP) (15 hrs)**
   - A “C” (2.0) or better is required in all these courses.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - MAC 114C College Trigonometry 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - PSY 2012 General Psychology 3 hrs
   - PHY 2053C College Physics I 3 hrs
   - COP 3223 Introduction to Programming with C 3 hrs
   - COP 3330 Object Oriented Programming 3 hrs
   - CGS 2545C Database Concepts 3 hrs
   - STA 2023 Statistical Methods I 3 hrs
   - **Select 1:**
     - MATH 2104 Foundations of Discrete Math or 3 hrs
     - COT 3100C Introduction to Discrete Structures 3 hrs

6. **3. Core Requirements: Basic Level**
   - None

7. **4. Core Requirements: Advanced Level (51 hrs)**
   - A “C” (2.0) or better is required in all these courses.
   - **Core Requirements** 45 hrs
     - COP 3500C Computer Science I 3 hrs
     - CIS 3360 Security in Computing 3 hrs
     - CAP 4104 Human and Technology Interaction 3 hrs
     - EEL 3041 Circuit Analysis 3 hrs
     - CGS 3269 Computer Architecture Concepts 3 hrs
     - CNT 3004 Computer Network Concepts 3 hrs
     - CIS 3003 Fundamentals of Information Technology 3 hrs
     - CIS 4313 Managing IT Integration 3 hrs
     - CNT 4714 Enterprise Computing 3 hrs
     - CIS 4004 Web-Based Information Technology 3 hrs
     - 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

8. **Support Courses** 6 hrs
   - A “C” (2.0) or better is required in all these courses.
   - **Select 1:**
     - ENC 4293 Documentation and the Collaborative Process 3 hrs
     - ENC 4265 Writing for the Computer Industry 3 hrs
     - ENC 4414 Writing and Hypertext 3 hrs
     - ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs
Select 1: 3 hrs
ENC 3241 Writing for the Technical Professional or 3 hrs
ENC 3211 Theory and Practice of Technical Writing or 3 hrs
ENC 3250 Professional Writing 3 hrs

5. Restricted Electives (6 hrs)
- Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs.
- A “C” (2.0) or better is required in all these courses.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- None

Graduation
- None

8. Electives
- Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Complete an exit interview with an assigned faculty advisor

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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
- Interdisciplinary Informatics Technology
- Secure Computing and Networks

Advising Notes
- None

Transfer Notes
- Grades below “C” (2.0) are not accepted
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Courses taken at community colleges do not substitute for Upper Division courses

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - 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
CIS 3003 Fundamentals of Information Technology 3 hrs
GEP 3 hrs

Sophomore Year - Spring 15 hrs
CGS 3269 Computer Architecture Concepts 3 hrs
STA 2023 Statistical Methods I 3 hrs
CGS 2545C Database Concepts 3 hrs
GEP 3 hrs

Junior Year - Fall 15 hrs
CAP 4104 Human and Technology Interaction 3 hrs
EEL 3041 Circuit Analysis 3 hrs
CNT 3004 Computer Network Concepts 3 hrs
CIS 3369 Security in Computing 3 hrs

Junior Year - Spring 15 hrs
CGS 3269 Computer Architecture Concepts 3 hrs
STA 2023 Statistical Methods I 3 hrs
CGS 2545C Database Concepts 3 hrs
GEP 3 hrs

Select 1: 3 hrs
ENC 3241 Writing for the Technical Professional or 3 hrs
ENC 3211 Theory and Practice of Technical Writing or 3 hrs
ENC 3250 Professional Writing 3 hrs

Select 1: 3 hrs
ENC 4265 Writing for the Computer Industry or 3 hrs
ENC 4293 Documentation and the Collaborative Process or 3 hrs
ENC 4414 Writing and Hypertext or 3 hrs
ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs

Senior Year - Fall 15 hrs
CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs
CIS 4004 Web-Based Information Technology 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs
CNT 4603 System Administration and Maintenance 3 hrs

Senior Year - Spring 14 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs
COP 4910 Frontiers in Information Technology 3 hrs
CNT 4714 Enterprise Computing 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $9 per term
- Full-Time Student: $18 per term
UCF Degree Programs

Interdisciplinary Studies (B.A. / B.S.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@mail.ucf.edu
Phone: 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser. The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, 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 toward the major.

□ Students must earn at least a “C” (2.0) in each core and restricted elective course

□ Students must consult with an Interdisciplinary Studies adviser to enter the program

□ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

□ No courses can count in more than one subject area or in a subject area and a minor

□ Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

□ None

3. Core Requirements: Basic Level (6 hrs)

IDS 3933 Cornerstone Experience 3 hrs
IDS 4934 Capstone Experience 3 hrs

4. Core Requirements: Advanced Level

□ None

5. Restricted Electives (30 hrs)

□ Students must complete two different subject area concentrations from among those specified below.

□ Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies adviser and not simply when they appear on a student audit.

□ Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.

□ See the Interdisciplinary Studies Advising Team for details regarding each area:

□ Arts
□ Behavioral and Social Sciences
□ Commerce
□ Communication
□ Computational Sciences
□ Education
□ Engineering
□ Health
□ Humanities
□ Letters and Modern Languages
□ Physical Sciences
□ Life/Biomedical Sciences
□ Public Affairs

6. Capstone Requirements

□ None

7. Foreign Language Requirements

Admissions

□ BA: Met by graduation requirement.
□ BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Note: Students entering without having met the admission requirements must do so in order to graduate.

Graduation

□ BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
□ BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

□ Select primarily from upper level courses, with an Interdisciplinary Studies adviser’s approval.

9. Additional Requirements

□ None

10. Required Minors

□ Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

11. Departmental Exit Requirements

□ A grade of “C” or above (2.0) is required for each course in the core and restricted electives.
□ Computer Competency met by completing this major.

12. University Minimum Exit Requirements

□ A 2.0 UCF GPA
□ 60 semester hours earned after CLEP awarded
□ 48 semester hours of upper division credit completed
□ 30 of the last 39 hours of course work must be completed in residency at UCF

□ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

□ Complete the General Education Program, the Gordon Rule, 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
## Interdisciplinary Studies - Environmental Studies

**Track (B.S.)**

Office of Undergraduate Studies, Office of Interdisciplinary Studies, Classroom I, Room: 302

http://www.is.ucf.edu

Email: is@mail.ucf.edu

Phone: 407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major
- Co-op credit cannot be used in the major
- Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas
- Students must consult with an Interdisciplinary Studies adviser when entering the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

### 1. UCF General Education Program (GEP) (36 hrs)

| 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 (11 hrs)

- None

### 4. Core Requirements: Advanced Level (19 hrs)

- Environmental Studies Fundamentals
- Physical/Mathematical Sciences
- Life Sciences
- Social Science & Humanities

### 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.

<table>
<thead>
<tr>
<th>Required</th>
<th>Syllabus</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 4053</td>
<td>Biochemistry I</td>
</tr>
<tr>
<td>BOT 4054</td>
<td>Biochemistry II</td>
</tr>
<tr>
<td>BOT 352C</td>
<td>Local Flora</td>
</tr>
<tr>
<td>BOT 3622</td>
<td>Ethnobotany</td>
</tr>
<tr>
<td>PCB 4303C</td>
<td>Plant Kingdom</td>
</tr>
<tr>
<td>PCB 4713C</td>
<td>Plant Taxonomy</td>
</tr>
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<td>BSC 3120</td>
<td>Advanced Marine Biology</td>
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<tr>
<td>CHM 3102</td>
<td>Agricultural Chemistry</td>
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<tr>
<td>OCE 3008</td>
<td>Oceanography</td>
</tr>
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<td>PCB 3063</td>
<td>Genetics</td>
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<td>PCB 3442</td>
<td>Aquatic Ecology</td>
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<td>PCB 4683</td>
<td>Evolutionary Biology</td>
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<td>PCB 4723</td>
<td>Animal Physiology</td>
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<td>PCB 5045</td>
<td>Conservation Biology</td>
</tr>
<tr>
<td>PCB 5326C</td>
<td>Ecosystems of Florida</td>
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### Values, Planning, & Policy Concentration

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

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<tr>
<td>BOT 3802</td>
<td>Ethnobotany</td>
</tr>
<tr>
<td>ECP 4303</td>
<td>Environmental and Natural Resource Economics</td>
</tr>
<tr>
<td>ENC 3211</td>
<td>Theory and Practice of Technical Writing</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
</tr>
<tr>
<td>ENC 4360</td>
<td>Nature Writing</td>
</tr>
<tr>
<td>INR 4351</td>
<td>International Environmental Law</td>
</tr>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program Management</td>
</tr>
</tbody>
</table>

values, planning, & policy concentration

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

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### UCF Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3033</td>
<td>Philosophy, Religion, and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4400</td>
<td>Philosophy of Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4633</td>
<td>Ethics and Biological Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 4031</td>
<td>Environmental Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 4554</td>
<td>Environmental Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 3204</td>
<td>Sustainability</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4209</td>
<td>Urban Environmental Policy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### PUP 4209
- Urban Environmental Policy
  - 3 hrs

### Interdisciplinary Studies

#### Women's Studies Track

**B.A.**

**Office of Undergraduate Studies**

**Office of Interdisciplinary Studies,**

**Classroom 1, Room: 302**

Program in Women's Studies, Colburn Hall, Room: 411

http://www.is.ucf.edu

**Email:** is@mail.ucf.edu

**Email:** womenst@mail.ucf.edu

Interdisciplinary Studies Advising Team, 407-823-0144

Dr. M.C. Santana, 407-823-2260

Phone: 407-823-0144

Interdisciplinary Studies - Women's Studies track is a broadly based interdisciplinary curriculum 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.
- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.

**Required Minors**
- None

**Related Minors**
- None

### Core Requirements: Basic Level

- None

### Core Requirements: Advanced Level

- None

### Restricted Electives

- 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

### Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Advising Team. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

- None

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oess.ucf.edu/aic/academic_learning_compacts.htm](http://www.oess.ucf.edu/aic/academic_learning_compacts.htm)
First Study Area - Womanist/Women of Color 18 hrs
Area
■ Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area
WST 3460 Women, Race and Struggle 3 hrs

Select 5: 15 hrs
AML 3614 Topics in African-American Literature or 3 hrs
ASH 4304 Women in China or 3 hrs
AML 3682 Ethnic Literature in America 3 hrs
Other courses approved by the Interdisciplinary Studies Advising Team

First Study Area - Women’s Studies Cognate 18 hrs
Area
■ Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area

Select 6: 18 hrs
■ Other courses may be utilized for this area with the permission of the director.
■ Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women’s Studies Director, some courses may substitute.
AML 3614 Topics in African-American Literature or 3 hrs
AML 3682 Ethnic Literature in America or 3 hrs
AML 4281 Literature of the South or 3 hrs
ANT 3212 Peoples of the World or 3 hrs
CCJ 4129 Cultural Diversity in Criminal Justice or 3 hrs
CCJ 4881 Domestic Violence and the Justice System or 3 hrs
EUH 3242 Modern Europe and the First World War or 3 hrs
HSC 3595 HIV Disease: A Human Concern or 3 hrs
LIT 5556 Advanced Feminist Theories or 3 hrs
LIN 4463 Cress Cultural Communication or 3 hrs
PEM 2405 Self Defense for Women and Men or 3 hrs
PHI 3640 Environmental Ethics or 3 hrs
PHI 3670 Ethical Theory or 3 hrs
PHI 4300 Theories of Knowledge or 3 hrs
PUP 3314 Minorities in American Politics or 3 hrs
SOP 2772 Sexual Behavior or 3 hrs
SOP 3784 Psychology of Diversity or 3 hrs
SYO 3700 Race and Ethnicity or 3 hrs
SYO 4100 Family Trends or 3 hrs
SYO 4200 Religion in Society or 3 hrs
SYP 3630 Popular Culture In Society or 3 hrs
SYP 3650 Sports and Society or 3 hrs
SYP 4732 Minority Aging or 3 hrs
THE 4230 Cultural Diversity in Theater or 3 hrs
EUH 5937 Social Theory/History 3 hrs

Second Study Area (from those below) 18 hrs
■ See the Interdisciplinary Studies Advising Teams for details regarding each area: Arts, Behavioral and Social Sciences, Commerce, Communication, Computational Sciences, Education, Engineering, Health, Humanities, Letters and Modern Languages, Life/Biomedical, Physical Sciences, Public Affairs
6. Capstone Requirements
■ None
7. Foreign Language Requirements
Admissions
■ Met by graduation requirement
Graduation
■ Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
■ Note: Students entering without having met the admission requirement must do so in order to graduate.
8. Electives
■ Select primarily from upper level courses, with Interdisciplinary Studies advisor’s approval. May be outside of Women’s Studies.
9. Additional Requirements
■ None
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 1080C Introduction to Computer Science 3 hrs
   STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Interdisciplinary Studies

Certificates
■ None

Related Minors
■ Most UCF minors

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges do not substitute for Upper Division courses.
■ Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

International and Global Studies (B.A.)
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
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
UCF Degree Programs

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)
- Prefer WOH 2012 World Civilization I 3 hrs
- Prefer WOH 2022 World Civilization II 3 hrs
- Required One course from GEP B 2 list 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer WOH 2012 World Civilization I 3 hrs
- Prefer WOH 2022 World Civilization II 3 hrs
- Required One course from GEP B 2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Math: 3 hrs
  - Prefer MGF 1106 Fine Mathematics or 3 hrs
  - Prefer MGF 1107 Explorations in Mathematics or 3 hrs
- Statistics: 3 hrs
  - Prefer STA 2014C Principles of Statistics or 3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or
    May substitute a more advanced STA course. 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Required One course from GEP D 2 list 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (6 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs
- POS 2041 American National Government GEP

4. Core Requirements: Advanced Level (15 hrs)
- CPO 3103 Comparative Politics 3 hrs
- GEO 3471 World Political Geography 3 hrs
- IDS 4315 Global Perspectives 3 hrs
- INR 4603 International Relations Theory 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs

5. Restricted Electives (18 hrs)
- Note: Students must meet all prerequisites before taking these classes.
- Other courses may be substituted with the chair’s approval.

Regional (9 hrs)
- Select from the following listing:
  - CPO 3034 Politics of Developing Areas 3 hrs
  - CPO 3104 Politics of Western Europe 3 hrs
  - CPO 3403 Politics of the Middle East 3 hrs
  - CPO 3614 Politics of Eastern Europe 3 hrs
  - CPO 4062 Comparative Judicial Process 3 hrs
  - CPO 4074 Political Economy 3 hrs
  - CPO 4101 Politics of the European Union 3 hrs
  - CPO 4123 Government and Politics of Great Britain 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - CPO 4514 Politics of East Asia 3 hrs
  - CPO 4553 Politics of Japan 3 hrs
  - CPO 4643 Government and Politics of Russia 3 hrs
  - CPO 4710 Women in Comparative Politics 3 hrs
  - CPO 5334 Contemporary Politics of the Mayan Region 3 hrs

Functional (9 hrs)
- Select from the following listing:
  - INR 3253 International Politics of Africa 3 hrs
  - INR 4030 Diplomacy 3 hrs
  - INR 4035 International Political Economy 3 hrs
  - INR 4054 Global Politics of Energy 3 hrs
  - INR 4060 Causes of War 3 hrs

INR 4074 Immigration Policy 3 hrs
INR 4075 Human Rights Policy 3 hrs
INR 4076 Global Drug Policy 3 hrs
INR 4084 Politics of International Terrorism 3 hrs
INR 4085 Women, Gender, and Globalization 3 hrs
INR 4102 American Foreign Policy 3 hrs
INR 4104 Topics and Cases in American Foreign Policy 3 hrs
INR 4114 American Security Policy 3 hrs
INR 4115 Strategic Weapons and Arms Control 3 hrs
INR 4224 Contemporary International Politics of Asia 3 hrs
INR 4243 International Politics of Latin America 3 hrs
INR 4304 Issues in International Public Policy 3 hrs
INR 4335 Coercion in International Politics 3 hrs
INR 4350 Global Environmental Politics 3 hrs
INR 4351 International Environmental Law 3 hrs
INR 4364 The Intelligence Community 3 hrs
INR 4401 International Law 3 hrs
INR 4404 Space Law 3 hrs
INR 4502 International Organizations 3 hrs
INR 4714 Politics of International Trade Policy 3 hrs
INR 4774 Military Space Policy 3 hrs
POS 3253 Contemporary Revolution and Political Violence 3 hrs
PUP 4503 Government and Science 3 hrs
PUP 4510 Space Policy 3 hrs

1 A maximum of 3 hours of Internship can be used.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

9. Additional Requirements
- None

10. Required Minors
- Select from the following minors (18 hours min)
- No more than one course may be used to fulfill both this track and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Spanish, or Modern Language Combination.
  - Asian Studies
  - Economics
  - European Studies
  - French
  - German
  - International Business
  - Interpersonal/Organizational Communication
  - Italian
  - Latin American Area Studies
  - Middle Eastern Studies
### UCF Degree Programs

- Military Science
- Spanish

#### 11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

#### Total Semester Hours Required
- 120

### Honors In Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

### Related Programs
- Anthropology
- Economics
- History

### Certificates
- None

### Related Minors
- Anthropology
- Economics
- History
- Psychology
- Sociology
- Philosophy

### Advising Notes
- None

### Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.

#### 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

### 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
- **16 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 4 hrs
  - GEP 3 hrs

### Sophomore Year - Spring
- **16 hrs**
  - CPO 3103 Comparative Politics 3 hrs
  - IDS 4315 Global Perspectives 3 hrs
  - INR 4603 International Relations Theory 3 hrs
  - Foreign Language 4 hrs
  - GEP 3 hrs

### Junior Year - Fall
- **15 hrs**
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - GEP 3 hrs
  - Elective / Minor 3 hrs
  - Free Elective 3 hrs

### Junior Year - Spring
- **15 hrs**
  - Restricted Elective 3 hrs
  - GEP 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Free Elective 3 hrs

### Senior Year - Fall
- **14 hrs**
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - GEP 3 hrs
  - Elective / Minor 3 hrs
  - Free Elective 2 hrs

### Senior Year - Spring
- **12 hrs**
  - Restricted Elective 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Free Elective 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Interpersonal/Organizational Communication (B.A.)

#### College of Sciences

#### Nicholson School of Communication, NSC, Room: 143
[http://communication.cos.ucf.edu](http://communication.cos.ucf.edu)

#### Email:
- Dr. Jim Katt, Area Coordinator, james.katt@ucf.edu
- Rebecca Morales, Academic Support, rebecca.morales@ucf.edu
- Phone: 407-823-2681

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs (other than from I/O Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students 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
- Required SPC 1603 Fundamentals of Technical Presentations 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)
...
UCF Degree Programs

C: Mathematical Foundations (6 hrs)
- Required: STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics (3 hrs)

Math: (3 hrs)
- Suggested: MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics
- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)

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 SPC 1603 Fundamentals of Technical Presentations
- Statistics:
  - STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics (3 hrs)

4. Core Requirements: Advanced Level (12 hrs)
- Take all of the following: 12 hrs
  - COM 3011C Communication and Human Relations and COM 3120 Organizational Communication and COM 3311 Communication Research Methods and SPC 3301 Interpersonal Communication (3 hrs)

5. Restricted Electives (27 hrs)
- Internal Restricted Electives: 21 hrs
  - Select from the following list:
    - COM 3013 Communication and the Family
    - COM 3022 Health Communication
    - COM 3110 Business and Professional Communication
    - COM 3332 Communication, Technology, and Change
    - COM 3406 Role of Motivation in Communication
    - COM 4014 Gender Issues in Communication
    - COM 4416 Terrorism and Communication
    - COM 4461 Intercultural Communication
    - COM 4462 Conflict Management
    - SPC 3445 Leadership Through Oral Communication
    - SPC 3513C Argumentation and Debate
    - SPC 4331 Nonverbal Communication
    - SPC 4426 Group Dynamics
    - SPC 4540 Attitudes and Communication

- A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:
  - COM 4941 Internship or COM 4966 Directed Independent Study or SPC X949 Coop or COM X949 Coop

- A maximum of 3 credits of any combination of the following can be used as an Internal Restricted Elective:
  - ENC 3315 Advanced Argumentative Writing or ENC 3311 Essay as Cultural Commentary
  - Other upper division COM or SPC courses with prior approval of department advisor.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

Certificates
- None

Related Minors
- Interpersonal/Organizational Communication
- Mass Communication

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- 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 at http://utc.sdes.ucf.edu/
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
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall
- Core-Computer Science 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective (Consider a minor) 3 hrs

Sophomore Year - Spring
- COM 3311 Communication Research Methods 3 hrs
- COM 3011C Communication and Human Relations 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective (Consider a minor) 3 hrs

Junior Year - Fall
- SPC 3301 Interpersonal Communication 3 hrs
- COM 3120 Organizational Communication 3 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

Junior Year - Spring
- 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 - Summer
- Restricted Elective-Internship 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

Senior Year - Spring
- 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.oecs.ucf.edu/alc/academic_learning_compacts.htm

Journalism (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Email: journalism@ucf.edu
Dr. Kim Voss, Area Coordinator, kvoss@ucf.edu
Rebecca Morales, Academic Support, rebecca.morales@ucf.edu
Phone: 407-823-2861

Admission Requirements
- Students should apply to become Journalism majors only after completing all requirements for admission.
- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.25 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis.
- Submit an essay demonstrating commitment to the field; include previously published journalistic work, if any.

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 newspaper.
- Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or website.
- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of six hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.
- All students are required to pay a fee for equipment insurance.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Journalism majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- 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.

UCF Degree Programs

1. UCF General Education Program (GEP) (36 hrs)
   A. Communication Foundations (9 hrs)
   Composition: Complete both courses. 6 hrs
   Required ENC 1101 Composition I and 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Speech: Select one of the following. 3 hrs
   Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
   Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs
### UCF Degree Programs

#### Statistics-Computers: 3 hrs

<table>
<thead>
<tr>
<th>Group 1: Select a course from group 1.</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer AMH 2010 U.S. History: 1842-1877 or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

#### Group 2: Select a course from group 2. 3 hrs

#### Group 3: Select a third course from either group 1 or 2. 3 hrs

#### C: Mathematical Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Statistics-Computers:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3 hrs)</td>
</tr>
<tr>
<td>Suggested CGS 1060C Introduction to Computer Science or</td>
</tr>
<tr>
<td>Suggested STA 2014C Principles of Statistics 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Math:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3 hrs)</td>
</tr>
<tr>
<td>Suggested MGF 1106 Finite Mathematics or</td>
</tr>
<tr>
<td>Suggested MGF 1107 Explorations in Mathematics or</td>
</tr>
<tr>
<td>You may substitute a higher level math with appropriate scores on the Math Placement Exam. 3 hrs</td>
</tr>
</tbody>
</table>

#### D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Group 1:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer POS 2041 American National Government 3 hrs</td>
</tr>
</tbody>
</table>

| Group 2: Select a listed course 3 hrs |

#### E: Science Foundations (6 hrs)

### 2. Common Program Prerequisites (CPP)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### Complete one of the following:

- SPC 1608 Fundamentals of Oral Communication or GEP
- SPC 1603 Fundamentals of Technical Presentations GEP

### 3. Core Requirements: Basic Level (12 hrs)

- Grammar Proficiency must be satisfied before enrolling in JOU 2100C.
- These courses may be completed before acceptance into the program.
- All courses specifically identified in the preceeding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:

#### Core: Required, satisfies the CPP

| SPC 1608 Fundamentals of Oral Communication or GEP |
| SPC 1603 Fundamentals of Technical Presentations GEP |

#### Core: Additional requirements 12 hrs

- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.

#### 4. Core Requirements: Advanced Level (6 hrs)

- These courses may be completed either before or after acceptance into the program.
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.

#### 5. Restricted Electives (18 hrs)

#### Writing/Editing: Select from the following: 9 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 3313C Sports Reporting 3 hrs |
| JOU 4181 Public Affairs Reporting 3 hrs |
| JOU 4224 Magazine Editing and Production 3 hrs |
| JOU 4300 Feature Writing 3 hrs |
| JOU 4306C Critical Writing 3 hrs |
| JOU 4308 Freelance Writing 3 hrs |
| JOU 4941 Internship 3 hrs |

Internships must be approved in advance by the Journalism Area Coordinator.

### Visual Journalism: Select from the following: 9 hrs

| JOU 3510 Magazine Publishing 3 hrs |
| JOU 4211C Informational Graphics 3 hrs |
| JOU 4213C Page Design 3 hrs |
| JOU 4340C Online Journalism I 3 hrs |
| JOU 4341C Online Journalism II 3 hrs |
| JOU 4342C Multimedia Journalism 3 hrs |
| PGY 3610C Photojournalism I 3 hrs |
| PGY 3620C Photojournalism II 3 hrs |
| PGY 3630 Photojournalism III 3 hrs |
| JOU 4941 Internship 3 hrs |

### 6. Capstone Requirements

| None |

### 7. Foreign Language Requirements

#### Admissions

- None

### 8. Electives

- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts and Sciences to comply with the 65 hour Liberal Arts requirement.

### 9. Additional Requirements

| None |

### 10. Required Minors

- Journalism majors must complete an 18 hour minor in an academic area outside of the Nicholson School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Area Coordinator.
- The minor must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap.

### 11. Departmental Exit Requirements

- Acceptance of portfolio by faculty.
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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 |

| None |

### Related Programs

- English - Creative Writing
- English - Technical Communication

### Certificates

| None |
Related Minors

- NOTE: Minors taught within the Nicholson School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- Writing and Rhetoric
- History
- Magazine Journalism
- Political Science
- Sociology

Advising Notes
- It is the student’s responsibility to ensure that course prerequisites have been satisfied before registering for a class.
- Students are urged to contact their school advisor before registering for courses.

Transfer Notes
- Lower division courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- 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 1008 Fundamentals of Oral Communication 3 hrs
- GEP-Stat or CS 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall
- MMC 2004 Mass Media 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

Sophomore Year - Spring
- Apply for admission by Feb 1
- JOU 2100C News Reporting 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

Junior Year - Fall
- If admitted, take...
- JOU 3004 History of American Journalism 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs
- Elective-take outside of NSC 3 hrs

Junior Year - Spring
- JOU 3015 Principles of Journalism 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- Restricted Elective 3 hrs
- Elective-take outside of NSC 3 hrs

Junior Year - Summer
- Restricted Elective-Minorship 3 hrs

Senior Year - Fall
- Submit Journalism Portfolio
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs
- Elective-Minor 3 hrs
- Elective-take outside of NSC 3 hrs

Senior Year - Spring
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 4 hrs
- Elective-take outside of NSC 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term

Latin American Studies (B.A.)

College of Arts and Humanities

Colburn Hall, Room: 406E and F
http://las.cah.ucf.edu/
Email: latinamerica@ucf.edu
Dr. JosA® M. Maunez-Cuadra, Jose.Maunez-Cuadrea@ucf.edu, 407-823-1173
Phone: 407-823-1174

Admission Requirements
- None

Major Requirements
- None

Full-Time Student: $44 per term

A: Communication Foundations (9 hrs)
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required 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)
- Suggested STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)
- Prefer ANT 2000 General Anthropology 3 hrs
- Prefer POS 2041 American National Government 3 hrs

Full-Time Student: $44 per term
# UCF Degree Programs

## 1. Core Requirements: Basic Level (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAS 2001</td>
<td>Topics in Latin American Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

## 2. Core Requirements: Advanced Level (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4332</td>
<td>People and Cultures of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>GEA 4405</td>
<td>Geography of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>LAH 3200</td>
<td>Modern Latin America</td>
<td>3</td>
</tr>
<tr>
<td>LAS 3101</td>
<td>Latin American Popular Culture</td>
<td>3</td>
</tr>
</tbody>
</table>

## 3. Required Minors: 18 hrs (minimum)

### Spanish and Spanish Literature

- Students can choose from the extensive listing of upper level SPN and SPW courses. No more than six (6) hours can overlap between the major and the minor.

### AREA TWO: (9 hrs)

- Select no more than 6 credit hours of courses with the same prefix.

#### ART HISTORY

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3</td>
</tr>
<tr>
<td>ARH 3070</td>
<td>20th Century Latin American Art</td>
<td>3</td>
</tr>
<tr>
<td>ARH 3073</td>
<td>Modern Art of Mexico</td>
<td>3</td>
</tr>
<tr>
<td>ARH 3674</td>
<td>Latin American Popular Visual Culture</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4653</td>
<td>Meso American Art</td>
<td>3</td>
</tr>
</tbody>
</table>

### ENGLISH

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana</td>
<td>3</td>
</tr>
<tr>
<td>AML 3682</td>
<td>Ethnic Literature in America</td>
<td>3</td>
</tr>
<tr>
<td>AML 4630</td>
<td>Latino/Latina Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3192</td>
<td>Caribbean Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3351</td>
<td>Women Writers of Color</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3823</td>
<td>Hispanic Women Writers</td>
<td>3</td>
</tr>
</tbody>
</table>

### HUMANITIES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3460</td>
<td>Latin American Humanities</td>
<td>3</td>
</tr>
</tbody>
</table>

### INTERNATIONAL RELATIONS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 4243</td>
<td>International Politics of Latin America</td>
<td>3</td>
</tr>
</tbody>
</table>

### LATIN AMERICAN STUDIES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAS 4023</td>
<td>African Caribbean Experience</td>
<td>3</td>
</tr>
</tbody>
</table>

### POLITICS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 3034</td>
<td>Politics of Developing Areas</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3103</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4047</td>
<td>Politics of the NAFTA Region</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4074</td>
<td>Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4794</td>
<td>Indigenous Politics and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4303</td>
<td>Comparative Latin American Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

### PUBLIC POLICY

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP 3314</td>
<td>Minorities in American Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

## 6. Capstone Requirements

- Required Experiential Learning (capstone experience, 0 - 3 hrs):
  - Students are required to complete a study or work experience in Latin American Studies. This may be fulfilled through participation in any one of the following:
    - A formal study-abroad program on Latin America of at least 45 contact hours equaling three hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three hours of academic Internship credit for this option may be available if authorized by the Program Director Internship on Latin American Studies.
    - Students may also elect to complete three hours of upper division credit in an indigenous language such as Yucatec Maya, Nahuatl, or Quechua. As the latter languages are currently not taught at UCF, interested students would need to enroll in an off-campus program.
    - At the discretion of the Program Director, prior life, study, or work experience may be considered as satisfying this experiential learning requirement.

## 7. 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

### Electives

- Variable
- Select primarily from upper level courses after meeting with an advisor. Courses may be outside the department.

### Additional Requirements

- None

### Required Minors

- Required Minor: 18 hrs (minimum)
- LAS majors cannot minor in Anthropology, Art History, English, History, Humanities, Latin American Studies or Political Science. A second major in any of the disciplines listed below will satisfy the minor requirement. The LAS minor will continue to be available to non-LAS majors.
- Students will select a minor in consultation with the LAS Program Director. No more than six (6) hours can overlap between the major and the minor. The following are among the options to be considered:
  - Accounting
  - Digital Media
  - Economics
  - Emergency Management and Homeland Security
  - Energy and Sustainability
  - Entrepreneurship: For Non-Business Majors
  - Environmental Studies
Legal Studies (B.A. / B.S.)

Department of Legal Studies, Health and Public Affairs, Room: 343
http://www.coehpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter
Phone: 407-823-1670

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- 33 hours of PLA coursework must be taken at UCF
- 2.0 in all PLA work at UCF and overall

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (18 hrs)
   - All core requirements must be completed with a minimum grade of “C” (2.0) to satisfy the major.
   - PLA 3014 Law and the Legal System 3 hrs
   - PLA 3108 Legal Research 3 hrs
   - PLA 3155 Legal Writing 3 hrs
   - PLA 3205 Civil Practice and Procedure 3 hrs
   - PLA 3615 Property and Real Estate Law 3 hrs
   - PLA 4703 Professional Ethics and Liability 3 hrs

5. Restricted Electives
   - Upper Division Restricted Electives 21 hrs
     - 21 additional hours of Legal Studies coursework selected in consultation with an advisor.

UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Undergraduate Catalog 2012-2013
Supporting Courses 9 hrs

- Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student’s advisor.

Specializations

- Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:
  - Law and Society, Litigation and Advocacy, Public Law, Sports and Entertainment Law, Criminal Law and Individual Liberties, Estates and Property Law, Comparative and International Law, Commercial and Transactional Law
  - A student may earn a maximum of two specializations.

Specific course requirements are available at the department office or from the student’s advisor.

6. Capstone Requirements (3 hrs)

- Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.

PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level.

8. Electives

- If students chose the following electives, they must complete them with a minimum grade of a “C” (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must take a minimum of 33 hours of PLA courses at UCF. 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

- Undergraduate Certificate in Public and Professional Writing

Related Minors

- Business
- Criminal Justice
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 14 hrs

- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs

Select 1: 3 hrs

- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

Select 1: 3 hrs

- BSC 1005 Biological Principles or 3 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering 3 hrs

Freshman Year - Spring 15 hrs

- ENC 1102 Composition II 3 hrs
- CGS 1065C Introduction to Computer Science 3 hrs
- Free Elective 3 hrs

Select 1: 3 hrs

- ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs

- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

Sophomore Year - Fall 16 hrs

- SPC 1606 Fundamentals of Oral Communication 3 hrs
- Free Elective 3 hrs

Select 1: 3 hrs

- PSC 1121 Physical Science or 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs

Select 1: 3 hrs

- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- Foreign Language I or BS option 4 hrs

Sophomore Year - Spring 16 hrs

- PLA 3014 Law and the Legal System 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs

Select 1: 3 hrs

- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- Foreign Language II or BS option 4 hrs

Junior Year - Fall 15 hrs

- PLA 3108 Legal Research 3 hrs
- PLA 3205 Civil Practice and Procedure 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Spring 15 hrs

- PLA 3155 Legal Writing 3 hrs
- PLA 3615 Property and Real Estate Law 3 hrs
Students majoring in Management must earn a grade of “C” (2.0) or better in the following courses and each course applied towards the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3025</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 4720</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication
- 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Preferred MAC 1105C College Algebra 3 hrs

C: Mathematical Foundations (6 hrs)
- Required ECO 3401 Quantitative Business Tools I 3 hrs
- Required ECO 2023 Principles of Microeconomics 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Required ANT 2000 General Anthropology or 3 hrs
  - Required PSY 2012 General Psychology or 3 hrs
  - Required SYG 2001 Introduction to Sociology 3 hrs

Select 1: 3 hrs
- Required ECO 2013 Principles of Macroeconomics 3 hrs
- Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (6 hrs)
- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Required MAC 1105C College Algebra 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” 2.0 or better
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ACG 2011 Principles of Managerial Accounting 3 hrs
- Required ACG 2071 Principles of Managerial Accounting 3 hrs
- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Required ECO 3401 Quantitative Business Tools I 3 hrs
- Required ECO 2023 Principles of Microeconomics 3 hrs
- Required MAC 1105C College Algebra 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (32 hrs)
- First or subsequent semester in the College of Business Administration:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ECO 3411</td>
<td>4 hrs</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEB 3031</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 3031L</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAR 3025</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 3301</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4240</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4320</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4330</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4350</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

Human Resource Management Track 24 hrs

Required Courses 15 hrs
- Required MAN 3301 Management of Human Resources and 3 hrs
- Required MAN 4240 Organizations: Theory and Behavior and 3 hrs
- Required MAN 4320 Human Resources Recruitment and Selection and 3 hrs
- Required MAN 4330 Compensation Administration and 3 hrs
- Required MAN 4350 Training and Development 3 hrs

Restricted Electives 24 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3301</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4240</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4320</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4330</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4350</td>
<td>3 hrs</td>
</tr>
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</table>
### Restricted Elective Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 4540</td>
<td>Employment Law or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 3113</td>
<td>How to Start a Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4110</td>
<td>Business Plan Preparation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>New Venture Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4435</td>
<td>Moral Foundations of Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any MAN Course</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### General Management Track

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3301</td>
<td>Management of Human Resources and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3520</td>
<td>Quality &amp; Productivity Management and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4240</td>
<td>Organizations: Theory and Behavior and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4441</td>
<td>Conflict Resolution and Negotiation and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4701</td>
<td>Business Ethics and Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Elective Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 4540</td>
<td>Employment Law or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 3113</td>
<td>How to Start a Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4110</td>
<td>Business Plan Preparation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>New Venture Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4435</td>
<td>Moral Foundations of Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any MAN Course</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Entrepreneurship Track

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 4110</td>
<td>Business Plan Preparation and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>New Venture Finance and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3301</td>
<td>Management of Human Resources and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4802</td>
<td>Entrepreneurship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3391</td>
<td>Professional Selling or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3765</td>
<td>Entrepreneurial Marketing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Related Programs

**None**

### Related Minors

**None**

### 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. Students must have completed either the calculus or the statistics, but not both.
- **Admission:** Applications to the Honors in the Major program must be approved by the Associate Dean of the Honors College and the Management Department Chair.
- **Requirements:** Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:

  **Honors in Major Credit Requirements**
  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4903H</td>
<td>Honors Directed Reading I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4904H</td>
<td>Honors Directed Reading II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Required Honors Thesis**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4970H</td>
<td>Undergraduate Thesis</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Advising Notes

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

### Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF, Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

**Acceptable Substitutes for Transfer Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**May be substituted with:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG X001</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG X011</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### Plan of Study

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs
- Elective 3 hrs

**Freshman Year - Spring**
- GES 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

**Sophomore Year - Fall**
- 1 ACG 2031 Principles of Financial Accounting 3 hrs
- 1 ECO 2023 Principles of Microeconomics 3 hrs
- Science 3 hrs
- Psy/Soc/Art 3 hrs
- Elective 3 hrs

**Sophomore Year - Spring**
- 1 ACG 2071 Principles of Managerial Accounting 3 hrs
- 1 ECO 2013 Principles of Macroeconomics 3 hrs
- 1 ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

**Junior Year - Fall**
- 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- 2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAN 3023 Supply Chain and Operations Management 4 hrs

**Junior Year - Spring**
- MAN 4301 Compensation Administration 3 hrs
- MAN 4240 Organizations: Theory and Behavior 3 hrs
- MAN 4720 Strategic Management 3 hrs
- MAN 4720 Strategic Management 3 hrs
- Free Elective 3 hrs

**Senior Year - Fall**
- GEB 4111 New Venture Finance 3 hrs
- MAN 3301 Management of Human Resources 3 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs

**Senior Year - Spring**
- GEB 4110 Business Plan Preparation 3 hrs
- MAN 4720 Strategic Management 4 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**General Management Track**

**Junior Year - Fall**
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

**Junior Year - Spring**
- GEB 3375 Introduction to International Business 4 hrs
- FIN 3403C Business Finance 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs

**Senior Year - Fall**
- MAN 3301 Management of Human Resources 3 hrs
- MAN 4240 Organizations: Theory and Behavior 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEB 4111 New Venture Finance 3 hrs

**Senior Year - Spring**
- MAN 4720 Strategic Management 4 hrs
- GEB 4110 Business Plan Preparation 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs

**Program Academic Learning Compacts**

**Marketing (B.S.B.A.)**

**College of Business Administration**

**Department of Marketing,**

**Business Administration II, Room: 101**

[http://www.bus.ucf.edu](http://www.bus.ucf.edu)

Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements

- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class, and all prerequisites to marketing courses.

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**University of Central Florida**

**UCF Degree Programs**

**Full-Time Student:** $30 per term

**Part-Time Student:** $15 per term

**Full-Time Student:** $30 per term

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term
UCF Degree Programs

- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB.
- Students in the Marketing major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Marketing and Supply Chain Management courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Marketing and Supply Chain courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Marketing and Supply Chain courses in a subsequent term, that student will be dropped as an Marketing major. A student who is dropped may seek remittance as an Marketing major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an GPA of 2.0 or higher. Readmission is not automatic.
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Final exams will be given during Exam Week.
- Students majoring in Marketing must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:
  - MAR 3023 Marketing 4 hrs

1. UCF General Education Program (GEP) (36 hrs)
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   - Required MAC 1105C College Algebra 3 hrs

C: Mathematical Foundations (6 hrs)
   - Required CGS 2100C Computer Fundamentals for Business 3 hrs
   - Prefer MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
     - Suggested ECO 2023 Principles of Microeconomics 3 hrs
     - Suggested ECO 2023 Principles of Microeconomics 3 hrs
   - Select 1: 3 hrs
     - Suggested PSY 2012 General Psychology or 3 hrs
     - Suggested ANT 2000 General Anthropology or 3 hrs
     - Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)
   - Required MAC 1105C College Algebra 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
   - Must be completed with a “C” (2.0) or better
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs
   - CGS 2100C Computer Fundamentals for Business 3 hrs

Select one of the following sequences of courses:
- Students who have not completed both MAC 2233 and STA 2023 with a “C” (2.0) or better can take ECO 3401.
  - ECO 3401 Quantitative Business Tools I 3 hrs
  - or MAC 2233 Concepts of Calculus and 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (50 hrs)
   - First or subsequent semester in the College of Business Administration:
     - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
     - GEB 3375 Introduction to International Business 4 hrs
     - BUL 3130 Legal and Ethical Environment of Business 4 hrs
     - ECO 3411 Quantitative Business Tools II 4 hrs
     - FIN 3403C Business Finance 4 hrs
     - MAN 3025 Management of Organizations 4 hrs
     - MAR 3023 Marketing 4 hrs
     - MAR 3023 Supply Chain and Operations Management 4 hrs
   - Required Courses 15 hrs
     - MAR 3391 Professional Selling 3 hrs
     - MAR 3303 Consumer Behavior 3 hrs
     - MAR 3613 Marketing Analysis and Research 3 hrs
     - MAR 4803 Management 3 hrs
     - MAR 4804 Marketing Strategy 3 hrs

5. Restricted Electives (9 hrs)
   - Select a minimum of 3 courses from the following list of courses:
     - MAR 3391 Professional Selling 3 hrs
     - MAR 3403 Sales Force Management 3 hrs
     - MAR 3613 Marketing Analysis and Research 3 hrs
     - MAR 4156 International Marketing 3 hrs
     - MAR 4231 Retailing Management 3 hrs
     - MAR 4711 Sport Marketing 3 hrs
     - MAR 4712 Healthcare Marketing 3 hrs
     - MAR 4715 Entertainment Marketing 3 hrs
     - MAR 4941 Services Marketing 3 hrs
     - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
     - MAR 4941 Marketing Internship 3 hrs

Professional Selling Track 9 hrs
   - Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Department faculty committee will select a maximum of 40 professional selling track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form and in interviews. Must have earned a grade of B (3.0) or higher in the following to apply:
     - MAR 3391 Professional Selling 3 hrs

Take all of the following: 9 hrs
   - MAR 3403 Sales Force Management and 3 hrs
   - MAR 4413C Advanced Professional Selling and 3 hrs
   - MAR 4413C Strategic Issues in Sales-Lecture 3 hrs

6. Capstone Requirements (4 hrs)
   - MAN 4720 Strategic Management 4 hrs
   - This course is taken in the graduating term and requires the following prerequisites:
     - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
     - MAR 3023 Marketing 4 hrs
     - MAR 3026 Management of Organizations 4 hrs
     - FIN 3403C Business Finance 4 hrs

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None
8. Electives
- (Variable)

9. Additional Requirements
- Students in the Marketing major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000-level or higher Marketing courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Marketing courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Marketing courses in the subsequent term, that student will be dropped as a Marketing major. A student who is dropped may seek readmission as a Marketing major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a Marketing GPA of 2.0 or higher. Readmission is not automatic.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- Available

Related Programs
- None

Certificates
- Marketing: Entertainment Marketing
- Marketing: Healthcare Marketing
- Marketing: Retailing Management
- Marketing: Selling and Sales Management
- Marketing: Services Marketing
- Marketing: Sport Marketing Management
- Marketing: e-Marketing

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

Professional Business Core Requirements
- 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, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class, and all prerequisites to marketing courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Must complete nine hours in a summer semester

**Freshman Year - Fall**
- ENC 1101  Composition I  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- Cult-Hist I  Elective  3 hrs
- Elective  3 hrs

**Freshman Year - Spring**
- ENC 1102  Composition II  3 hrs
- MAC 1105C  College Algebra  3 hrs
- CGS 2100C  Computer Fundamentals for Business  3 hrs
- Cult-Hist II  Elective  3 hrs
- Art/Music/Lit  3 hrs

**Sophomore Year - Fall**
- ECO 2023  Principles of Microeconomics  3 hrs
- ACG 2021  Principles of Financial Accounting  3 hrs
- Science  3 hrs
- Psy/Ant/Soc  3 hrs
- Elective  3 hrs

**Sophomore Year - Spring**
- ECO 2013  Principles of Macroeconomics  3 hrs
- ACG 2071  Principles of Managerial Accounting  3 hrs
- ECO 3401  Quantitative Business Tools I  3 hrs
- Science  3 hrs
- Elective  3 hrs

**Junior Year - Fall**
- ECO 3411  Quantitative Business Tools II  4 hrs
- GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
- GEB 3375  Introduction to International Business  4 hrs
- MAR 3023  Marketing  4 hrs

**Junior Year - Spring**
- MAR 3391  Professional Selling  3 hrs
- BUL 3130  Legal and Ethical Environment of Business  4 hrs
- MAR 3503  Consumer Behavior  3 hrs
- MAR 3613  Marketing Analysis and Research  3 hrs
- FIN 3403C  Business Finance  4 hrs

**Senior Year - Fall**
- MAR 4803  Marketing Management  3 hrs
- MAN 3025  Management of Organizations  4 hrs
- MAR Elective  3 hrs
- MAR Elective  3 hrs
- MAR 3203  Supply Chain and Operations Management  4 hrs

**Senior Year - Spring**
- MAN 4720  Strategic Management  4 hrs
- MAR 4804  Marketing Strategy  3 hrs
- MAR Elective  3 hrs
- GE Non-Business Elective  3 hrs
UCF Degree Programs

Marketing: Professional Selling Track

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<th>Freshman Year - Fall</th>
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<tr>
<td>ENC 1101 Composition I</td>
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<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
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<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Cul-Hist I</td>
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<td>ENC 1102 Composition II</td>
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<td>CGS 2100C Computer Fundamentals for Business</td>
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<tr>
<td>Cul-Hist II</td>
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<tr>
<td>Art/Music/Lit</td>
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<tr>
<td>ECO 2023 Principles of Microeconomics</td>
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<tr>
<td>ACG 2011 Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Science</td>
<td>3 hrs</td>
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<tr>
<td>Psy/Soc/Ant</td>
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<tr>
<th>Sophomore Year - Spring</th>
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<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3401 Quantitative Business Tools I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Science</td>
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<table>
<thead>
<tr>
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<tr>
<td>ECO 3411 Quantitative Business Tools II</td>
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<tr>
<td>GEB 3031 Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
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<tr>
<td>GEB 3375 Introduction to International Business</td>
<td>3 hrs</td>
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<tr>
<td>MAR 3023 Marketing</td>
<td>4 hrs</td>
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<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
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<tbody>
<tr>
<td>MAR 3391 Professional Selling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3403 Sales Force Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>FIN 3403C Business Finance</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3503 Consumer Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3613 Marketing Analysis and Research</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>MAR 4803 Marketing Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4415C Advanced Professional Selling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3203 Supply Chain and Operations Management</td>
<td>4 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>17 hrs</th>
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<tbody>
<tr>
<td>MAN 4720 Strategic Management</td>
<td>4 hrs</td>
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<tr>
<td>MAR 4804 Marketing Strategy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BUL 3130 Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 4413C Strategic Issues in Sales-Lecture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GE Non-Business Elective</td>
<td>3 hrs</td>
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</tbody>
</table>

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Mathematics (B.S.)

College of Sciences

Department of Mathematics,
Math and Physics, Room: 207
http://math.ucf.edu

Dr. Joseph Brennan, MAP 215A, Joseph.Brennan@ucf.edu, 407-823-5700

The university offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with the word Honors in the title. These are for students in the Honors Program.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a “C” (2.0) in each course used to satisfy a requirement.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses, except the following, must be either taken from, or approved by, the Department of Mathematics at UCF:
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Ordinary Differential Equations I 3 hrs

Note: the following courses will not satisfy any Math degree requirements:

- MTG 4212 Modern Geometries 4 hrs
- MTH 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
   - MAP 2302 Ordinary Differential Equations I 3 hrs

   D: Social Foundations (6 hrs)

   1. Depending on concentration, select 3 hrs
   - Required
   - Suggested

   2. Select a listed course 3 hrs

   E: Science Foundations (8 hrs)

   - Required
   - Suggested

   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.

   4. See from the following: 4 hrs

   - CHM 2045C Chemistry Fundamentals I
   - or
   - CHM 2040 Chemistry Fundamentals IA and
   - CHM 2041 Chemistry Fundamentals IB

   5. See from the following: 4 hrs

   - BSC 2110C Biology I or
   - PHY 2048C Physics for Engineers & Scientists I
3. Core Requirements: Basic Level (15 hrs)
   - All courses specifically identified in the preceding
   Common Program Prerequisites section of this catalog are
   also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
- COP 3502C Computer Science I and GEP/CPP
- MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
- MAC 2312 Calculus with Analytic Geometry II and CPP
- MAC 2313 Calculus with Analytic Geometry III and CPP
- MAP 2302 Ordinary Differential Equations I and CPP

Basic Core: Additional requirements 8 hrs
- MAS 3105 Matrix and Linear Algebra and 4 hrs
- MAS 3106 Linear Algebra 4 hrs
- and depending on concentration, select 3 hrs
  - Can use for all Concentrations
    - MTH 3302 Logic and Proof in Mathematics 3 hrs
  - or acceptable in Computational
    Concentration;
    - COT 3100C Introduction to Discrete Structures 3 hrs

Select one Science sequence 4 hrs
- Selection depends on the concentration selected
  - Biology: 4 hrs
    - Satisfies the General, Economics, and Computational
      concentrations.
      - Required in Mathematical Biology Concentration
      - Select 1 3 hrs
      - Select from the following 18 hrs
        - COP 3502C Computer Science I and GEP/CPP
        - BSC 2010C Biology I and GEP/CPP
        - MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
        - MAC 2312 Calculus with Analytic Geometry II and CPP
        - MAC 2313 Calculus with Analytic Geometry III and CPP
        - MAP 2302 Ordinary Differential Equations I and CPP
        - COP 3502C Computer Science I 3 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
        - MAC 2313 Calculus with Analytic Geometry III 4 hrs
        - MAP 2302 Ordinary Differential Equations I 4 hrs
    - Chemistry: 4 hrs
      - Satisfies the General, Economics, and Computational
        concentrations.
      - Required in Mathematical Biology Concentration
      - May substitute the two semester equivalent Chemistry
        courses for the first Chemistry course
        - CHM 2045C Chemistry Fundamentals I and GEP/CPP
        - CHM 2046 Chemistry Fundamentals II and 3 hrs
        - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
      - Physics: 4 hrs
        - Satisfies the General, Economics, and Computational
          concentrations.
        - Required in Mathematical Biology and Engineering
        - PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
        - PHY 2049 Physics for Engineers & Scientists II and 4 hrs

4. Core Requirements: Advanced Level (7 hrs)
- MAA 4226 Advanced Calculus I 4 hrs
- MAA 4227 Advanced Calculus II 3 hrs

5. Restricted Electives
- Students must select one of the following five concentrations.

A. General Concentration 18 hrs
   - Select any 4000 or 5000 level courses offered by the
     Department of Mathematics.
   - Select any 4000, or 5000 level course with an MAP or
     MAT prefix offered by the Department of Mathematics.
   - Any 4000, or 5000 level course with an MAA, MAD, MAS,
     or MTG prefix, offered by the Department of Mathematics
     except MTG 4212.

B. Mathematical Biology Concentration 45 hrs
   Students are to have completed these courses in
   the GEP and CPP
   - COP 3502C Computer Science I 4 hrs
   - BSC 2010C Biology I 4 hrs
   - CHM 2045C Chemistry Fundamentals I 4 hrs
   - CHM 2046 Chemistry Fundamentals II 3 hrs
   - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   - CHM 2210 Organic Chemistry I 3 hrs
   - CHM 2211 Organic Chemistry II 3 hrs
   - Complete all of the following
     - MAA 4226 Advanced Calculus I 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
     - MAP 4384 Numerical Methods for Computational Sciences
     - Select 1 3 hrs
       - MAA 4402 Introduction to Complex Variables or 3 hrs
       - MAD 4203 Introduction to Combinatorics or 3 hrs
       - MAD 4301 Introduction to Graph Theory 3 hrs

D. Computational Concentration 46 hrs
   Students are to have completed this course in
   the GEP and CPP
   - COP 3502C Computer Science I 3 hrs
   - Complete all of the following
     - COP 3503C Computer Science II 4 hrs
     - MAP 4303 Ordinary Differential Equations II 3 hrs
     - MAP 4341 Introduction to Partial Differential Equations 3 hrs
     - STA 2023 Statistical Methods I 3 hrs
     - STA 4321 Statistical Theory I 3 hrs
     - STA 4322 Statistical Theory II 3 hrs
     - Select 1 3 hrs
       - MAP 4371 Numerical Methods for Differential Equations or
     - MAP 4384 Numerical Methods for Computational Sciences
     - 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

UNIVERSITY OF CENTRAL FLORIDA

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### UCF Degree Programs

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<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
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<td>EIN 4333</td>
<td>Production and Distribution Systems or 3 hrs</td>
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</tr>
<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals or 3 hrs</td>
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<td>EML 3262</td>
<td>Kinematics of Mechanisms or 3 hrs</td>
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<td>EML 3701</td>
<td>Fluid Mechanics I or 3 hrs</td>
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<td>EML 4142</td>
<td>Heat Transfer or 3 hrs</td>
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<td>EML 4312C</td>
<td>Feedback Control or 3 hrs</td>
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<td>EML 4703</td>
<td>Fluid Mechanics II or 3 hrs</td>
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<td>ENV 4581</td>
<td>Environmental Engineering Operations &amp; Processes II or 3 hrs</td>
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<td>ESI 4234</td>
<td>Quality Engineering or 3 hrs</td>
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<td>ESI 4523C</td>
<td>Systems Simulation or 3 hrs</td>
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<td>PHY 3323</td>
<td>Electricity and Magnetism I or 3 hrs</td>
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<td>PHY 4324</td>
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<td>STA 4321</td>
<td>Statistical Theory I or 3 hrs</td>
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<td>STA 4322</td>
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<td>- Select 1</td>
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<td>3 hrs</td>
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<tr>
<td>MAD 4203</td>
<td>Introduction to Combinatorics or 3 hrs</td>
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<tr>
<td>MAD 4301</td>
<td>Introduction to Graph Theory or 3 hrs</td>
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### E. Engineering/Physics Concentration

Students are to have completed the following 42 hrs to satisfy the GEP and CPP:

- PHY 2048C: Physics for Engineers & Scientists I or 4 hrs
- PHYS 2049C: Physics for Engineers and Scientists II or 4 hrs

Complete all the following 18 hrs:

- EGN 3321: Engineering Analysis-Dynamics and 3 hrs
- EIN 3433: Production and Distribution Systems or 3 hrs
- EEL 3004: Electrical Networks or 3 hrs
- EEL 4768: Computer Architecture or 3 hrs
- MAP 4341: Introduction to Partial Differential Equations or 3 hrs

- Select 1 3 hrs
- Select 2 6 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

Admissions

- Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

- None

### 8. Electives

- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each course used to satisfy the degree program.
- Participate in an exit interview.
- Fulfill Exit Examination requirement.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

### Total Semester Hours Required

120

### Honors In Major

- None

### Related Programs

- Aerospace Engineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Electrical Engineering
- Industrial Engineering
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

### Certificates

- Educational Studies

### Related Minors

- Actuarial Science
- Bioengineering
- Biology
- Biomedical Sciences
- Chemistry
Computer Science
Economics
Education
Environmental Studies
Information Technology
Mathematics
Mathematics Education
Physics
Statistics
Technological Entrepreneurship

Advising Notes
Students with adequate preparation can consult with the department undergraduate advisor on substituting graduate classes for departmental electives.

Transfer Notes
Lower division courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
Computer Programming: may use any programming course with a COP prefix.
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://chemplacement.sdes.ucf.edu
Prior to enrolling in Math, take Math Placement Test – http://utc.sdes.ucf.edu/

Freshman Year - Fall 16 hrs
MAC 2311C Calculus with Analytic Geometry I  4 hrs
ENC 1101 Composition I  3 hrs
GEP  3 hrs
GEP  3 hrs
Freshman Year - Spring 16 hrs
MAC 2312 Calculus with Analytic Geometry II  4 hrs
MHF 3302 Logic and Proof in Mathematics  3 hrs
ENC 1102 Composition II  3 hrs
GEP  3 hrs
GEP  3 hrs
Sophomore Year - Fall 15 hrs
MAC 2313C Calculus with Analytic Geometry III  4 hrs
MAS 3105 Matrix and Linear Algebra  4 hrs
PHY 2048C Physics for Engineers & Scientists I  4 hrs
GEP  3 hrs
Sophomore Year - Spring 14 hrs
MAP 2302 Ordinary Differential Equations I  3 hrs
MAS 3106 Linear Algebra  4 hrs
PHY 2049C Physics for Engineers & Scientists II  4 hrs
GEP  3 hrs
Junior Year - Fall 16 hrs
MAA 4227 Advanced Calculus II  3 hrs
MAA 4402 Introduction to Complex Variables  3 hrs
COP 3502C Computer Science II  3 hrs
MAP 4303 Ordinary Differential Equations II  3 hrs
Elective  3 hrs
Senior Year - Fall 16 hrs
MAD 4203 Introduction to Combinatorics  3 hrs
MAP 4371 Numerical Methods for Differential Equations  3 hrs
Elective  3 hrs
Elective  3 hrs
Elective  3 hrs
Senior Year - Spring 12 hrs
MAD 4301 Introduction to Graph Theory  3 hrs
MTG 4302 Introduction to Topology  3 hrs
Elective  3 hrs
Elective  3 hrs
Elective  3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oees.ucf.edu/alnc/academic_learning_compacts.htm

Mathematics Education (B.S.)

College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/mathed
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430
Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu, 407-823-4336

Admission Requirements
Students should see an advisor prior to registering for classes.
The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I  3 hrs
Required ENC 1102 Composition II  3 hrs
Required SPC 1608 Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations (9 hrs)
Preferred AMH 2020 U.S. History: 1877-Present  2 hrs
Preferred AMH 2331U U.S. History: 1492-1877  3 hrs
Preferred PHI 2010 Introduction to Philosophy  3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I  4 hrs
Required STA 2023 Statistical Methods I  3 hrs

Undergraduate Catalog 2012-2013
UCF Degree Programs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

Select 1: (3 hrs)
- Prefer ANT 2511 The Human Species or
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Take all of the following: (9 hrs)
- EDF 2005 Introduction to the Teaching Profession and
- EDF 2085 Introduction to Diversity for Educators and
- 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 (14 hrs)
- Students should consult advisor regarding course options.
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 2311C Calculus with Analytic Geometry I GEP
- STA 2023 Statistical Methods 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

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)

Education Core Requirements (18 hrs)
- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Internship I Block (7 hrs)
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperiences.
- MAE 4360 Mathematics Instructional Analysis 4 hrs
- MAE 3940 Internship 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 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None
University of Central Florida

UCF Degree Programs

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- MAC 2311C  Calculus with Analytic Geometry I  4 hrs
- PSC 1121  Physical Science  3 hrs
- ANH 2010  U.S. History: 1492-1877  3 hrs

Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- ANH 2020  U.S. History: 1777-Present  3 hrs

Sophomore Year - Fall
- Select 1:  3 hrs
  - ANT 2511 The Human Species or
  - BSC 1005 Biological Principles  3 hrs

Sophomore Year - Spring
- MAC 2313  Calculus with Analytic Geometry III  4 hrs
- PHI 2010  Introduction to Philosophy  3 hrs
- PSY 2012  General Psychology  3 hrs

Junior Year - Fall
- Select 1:  3 hrs
  - EDF 2005 Introduction to the Teaching Profession  3 hrs
  - MAP 2302  Ordinary Differential Equations I  3 hrs

Junior Year - Spring
- Select 1:  3 hrs
  - EDF 2085 Introduction to Diversity for Educators  3 hrs
  - MAS 3105  Matrix and Linear Algebra  4 hrs

Senior Year - Fall
- MAE 3940  Internship  3 hrs
- MAE 4634  Mathematics Instructional Analysis  4 hrs

Senior Year - Spring
- MAE 4941  Internship  12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Mechanical Engineering (B.S.M.E.)

College of Engineering and Computer Science

Department of Mechanical, Materials, and Aerospace Engineering, Engineering I, Room: 307
http://www.mmae.ucf.edu
Email: mmaeugrad@ucf.edu
Dr. Kuo-Chi Lin, Kurt.Lin@ucf.edu, 407-823-0137
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-2416

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- None

1. UCF General Education Program (GEP)  (38 hrs)
- The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations  (9 hrs)
- Required ENC 1101 Composition I  3 hrs
- Required ENC 1102 Composition II  3 hrs
- Select 1:  3 hrs
  - Prefer SPC 1603 Fundamentals of Technical Presentations or
  - Suggested SPC 1608 Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations  (9 hrs)
- Select two courses from Historical Foundations  6 hrs
- Select one class from Cultural Foundations  3 hrs

C: Mathematical Foundations  (7 hrs)
- Required MAC 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 2023 Principles of Microeconomics or
  - 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 Calculus with Analytic Geometry I GEP 2311C
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

Select 1: 4 hrs
1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
1 CHM Chemistry Fundamentals I or 4 hrs
2045C
2 CHM 2040 Chemistry Fundamentals IA or 3 hrs
3 CHM 2041 Chemistry Fundamentals IB or 3 hrs

A “C” (2.0) or better is required in this course.
A “C” (2.0) or better is required in this course. Must also take CHM 2041C as 2nd part of sequence.
A “C” (2.0) or better is required in this course. Must also take CHM 2040C as 1st part of sequence.

3 Core Requirements: Basic Level (2 hrs)
Required Courses: Basic 2 hrs

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.
EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)
Required Courses: Advanced 33 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3334 Thermodynamics 3 hrs
EGN 3365 Structure and Properties of Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3023 Probability and Statistics for Engineers GEP
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering
EML 3303C Mechanical Engineering Measurements 3 hrs
EGN 3601 Solid Mechanics 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 4142 Heat Transfer 3 hrs
EML 3217 Engineering Mechanics - Dynamics 3 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs

Select one of the following three options for your junior and senior year to complete your BSME:

Energy Systems Option 30 hrs
EML 3101 Thermodynamics of Mechanical Systems 3 hrs
EML 4703 Fluid Mechanics II and 3 hrs
Approved Electives and 18 hrs
Energy Systems Laboratory and 3 hrs
EML 4143 Heat Transfer II 3 hrs

Mechanical Systems Option 30 hrs
Approved Electives and 21 hrs
EML 3500 Machine Design and Analysis and 3 hrs
Mechanical Systems Laboratory and 3 hrs
EML 4313 Intermediate System Dynamics and 3 hrs
Controls

Materials Option 30 hrs
EML 3012C Experimental Techniques in Mechanics and 3 hrs
Materials and
EML 4102 Thermodynamics and Kinetics of Materials and 3 hrs
EML 3124 Design and Selection of Materials and 3 hrs
EML 4223 Fundamentals of Mechanical Behavior of Materials and 3 hrs
Approved Electives 18 hrs

5. Restricted Electives
Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered. http://mmae.ucf.edu/Academics/Undergraduate.html

6. Capstone Requirements (6 hrs)
These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
Select 1: 3 hrs
EML 4501C Engineering Design I or 3 hrs
EML 4412C Interdisciplinary Design I or 3 hrs

Select 1: 3 hrs
EML 4502C Engineering Design II or 3 hrs
EML 4413C Interdisciplinary Design II or 3 hrs

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
None
8. Electives
None
9. Additional Requirements
None
10. Required Minors
None
11. Departmental Exit Requirements
CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.
12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit
Total Semester Hours Required
128

Honors In Major
None
Related Programs
Aerospace Engineering
Certificates
None
Related Minors
Intelligent Robotic Systems (IRS) - Interdisciplinary
Engineering Leadership
Advising Notes
Double Degree/Double Major requirements listed under the college section of the catalog.
Career and Academic Advising
The department requires all students in the program meet with a faculty member for advising on career 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
EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.
Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program. Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

#### Freshman Year - Fall
- EGN 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Select 1: 4 hrs
  - CHS 1440 Fundamentals of Chemistry for Engineers or CHM 2045C Chemistry Fundamentals I or 4 hrs
  - CHM 2040 Chemistry Fundamentals IA 3 hrs
- 1 Must take CHM 2041C to complete the sequence

#### Freshman Year - Spring
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists II 4 hrs
- GEP 3 hrs

#### Freshman Year - Summer
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- GEP 3 hrs
- EGN 3365 Structure and Properties of Materials 3 hrs

#### Sophomore Year - Fall
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- Upper Division Elective 3 hrs

#### Sophomore Year - Spring
- 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
- Upper Division Elective 3 hrs

#### Sophomore Year - Summer
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Mechanical Systems Option

##### Junior Year - Fall
- EML 3701 Fluid Mechanics I 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- GEP 3 hrs
- EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs
- EML 3500 Machine Design and Analysis 3 hrs

##### Junior Year - Spring
- 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
- Upper Division Elective 3 hrs

##### Senior Year - Fall
- EML 4313 Intermediate System Dynamics and Controls 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs

### Select 1:
- EML 4501C Engineering Design I or 3 hrs
- EGN 4412C Interdisciplinary Design I 3 hrs

### Senior Year - Spring
- Upper Division Elective 3 hrs
- Mechanical Systems Laboratory 3 hrs

### Select 1:
- EML 4502C Engineering Design II or 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

#### Energy Systems Option

##### Junior Year - Fall
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- EML 3101 Thermodynamics of Mechanical Systems 3 hrs
- EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs
- GEP 3 hrs

##### Junior Year - Spring
- EML 4142 Heat Transfer 3 hrs
- EML 4703 Fluid Mechanics II 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

##### Senior Year - Fall
- EML 4143 Heat Transfer II 3 hrs
- EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

### Select 1:
- EML 4502C Engineering Design II or 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

#### Materials Option

##### Junior Year - Fall
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- EMA 3124 Design and Selection of Materials 3 hrs
- EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs
- GEP 3 hrs

##### Junior Year - Spring
- EML 4142 Heat Transfer 3 hrs
- EML 4225 Introduction to Vibrations and Controls 3 hrs
- EMA 4223 Fundamentals of Mechanical Behavior of Materials 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

##### Senior Year - Fall
- EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs
- EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

### Select 1:
- EML 4501C Engineering Design I or 3 hrs
- EGN 4412C Interdisciplinary Design I 3 hrs
Senior Year - Spring 15 hrs

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EMA 3012C</td>
<td>Experimental Techniques in Mechanics</td>
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<tr>
<td>Upper Division Elective</td>
<td>3 hrs</td>
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<tr>
<td>Upper Division Elective</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>Select 1:</td>
<td>EML 4502C Engineering Design II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>EGN 4413C Interdisciplinary Design II</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.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Medical Laboratory Sciences Program

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. P. E. Kolattukudy, Chair
Dorilyn Hitchcock, Program Director, hitchcod@mail.ucf.edu
Phone: 407-823-5932

Admission Requirements
- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UC application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0).

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

1 See Transfer Notes

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (64 hrs)

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<tr>
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<tr>
<td>MLS 3220C</td>
<td>Techniques in Clinical Microscopy</td>
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<td>MLS 4625</td>
<td>Advanced Clinical Chemistry I</td>
<td>3 hrs</td>
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<tr>
<td>MLS 4630</td>
<td>Advanced Clinical Chemistry II</td>
<td>3 hrs</td>
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<td>PCB 3233</td>
<td>Immunology</td>
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<td>MLS 4430C</td>
<td>Clinical Parasitology</td>
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<td>MLS 3305</td>
<td>Hematology</td>
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<tr>
<td>MLS 4555C</td>
<td>Immunodiagnostics</td>
<td>3 hrs</td>
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<tr>
<td>MLS 4910</td>
<td>Introduction to Clinical Research</td>
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<td>MLS 4550</td>
<td>Clinical Immunohematology</td>
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<td>MLS 4460L</td>
<td>Clinical Pathogenic Microbiology Lab</td>
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<td>MLS 4334</td>
<td>Hemostasis</td>
<td>3 hrs</td>
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<tr>
<td>MLS 4625L</td>
<td>Advanced Clinical Chem I Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1 hr</td>
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<tr>
<td>MLS 3305L</td>
<td>Hematology Lab</td>
<td>1 hr</td>
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<tr>
<td>MLS 4933</td>
<td>Medical Technology Seminar</td>
<td>2 hrs</td>
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<tr>
<td>MLS 3705</td>
<td>Concepts in Education/Management</td>
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<tr>
<td>MLS 4833L</td>
<td>Interpretive &amp; Practical Clinical Chemistry</td>
<td>4 hrs</td>
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<td>MLS 4831L</td>
<td>Interpretive &amp; Practical Immunohematology</td>
<td>4 hrs</td>
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<td>MLS 4832L</td>
<td>Interpretive &amp; Practical Hematology</td>
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<tr>
<td>MLS 4833L</td>
<td>Diagnostic Microbiology</td>
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<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science</td>
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<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods</td>
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</table>

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None
11. Departmental Exit Requirements

- A minimum 2.5 overall GPA is required for clinical assignment.
- The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University’s didactic component and the clinical component in affiliated hospital laboratories.
- Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required

- 126

Honors In Major

- None

Related Programs

- Biomedical Sciences
- Biology
- Chemistry

Certificates

- None

Related Minors

- Biomedical Sciences
- Biology
- Chemistry

Advising Notes

- None

Transfer Notes

- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses

| Human Anatomy and Physiology I and II (BSC 2093/BSC 2094) | 8 hrs |
| MCB 3020C General Microbiology | 5 hrs |

may be substituted with: MCB 2010C

Plan of Study

Freshman Year - Fall

- ENC 1102 Composition I
- MAC 1105 College Algebra
- SPC 1E08 Fundamentals of Oral Communication
- CHM 2045C Chemistry Fundamentals I
- CGS 1060C Introduction to Computer Science

- 16 hrs

Freshman Year - Spring

- ENC 1102 Composition II
- BSC 2010C Biology I
- CHM 2046I Chemistry Fundamentals II
- CHM 2046L Chemistry Fundamentals Laboratory
- STA 2023 Statistical Methods I

- 17 hrs

Sophomore Year - Fall

- CHM 2210 Organic Chemistry I
- ZOO 3733C Human Anatomy

- 16 hrs

Select 1:

- POS 2041 American National Government or
- ECO 2013 Principles of Macroeconomics

- 3 hrs

Senior Year - Spring

- Select 1:
- MCB 3220C Techniques in Clinical Microscopy
- MCB 4625 Advanced Clinical Chemistry I
- MCB 4625L Advanced Clinical Chem I Lab
- PCB 3233 Immunology
- PCB 3233L Immunology Laboratory
- MLS 4430C Clinical Parasitology
- 3 hrs

Select 1:

- EPH 2001 Western Civilization II or
- HUM 2230 Humanistic Tradition II or
- AMH 2020 U.S. History: 1492-1877

- 3 hrs

Junior Year - Fall

- MLS 3220C Techniques in Clinical Microscopy
- MLS 4625 Advanced Clinical Chemistry I
- MLS 4625L Advanced Clinical Chem I Lab
- MLS 4630 Advanced Clinical Chemistry II
- MLS 4460L Clinical Pathogenic Microbiology Lab

- 13 hrs

Junior Year - Summer

- MLS 4334 Hemostasis
- MLS 4550 Clinical Immunohematology

- 7 hrs

Senior Year - Fall

- MLS 4830L Interpretive & Practical Clinical Chemistry
- MLS 4831L Interpretive & Practical Immunohematology
- MLS 4832L Interpretive & Practical Hematology
- MLS 4833L Diagnostic Microbiology

- 16 hrs

Senior Year - Spring

- MLS 4910 Introduction to Clinical Research
- MLS 4550C Immunodiagnostics
- MLS 4933 Medical Technology Seminar
- MLS 3705 Concepts in Education/Management
- BSC 3403C Quantitative Biological Methods

- 13 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Music (B.A.)

College of Arts and Humanities

Department of Music,

Performing Arts Center, Room: M203
http://music.cah.ucf.edu

Email: ucfmusic@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

- Each student must either complete an audition that demonstrates satisfactory proficiency or pass an interview with the Academic Advisor.
- The audition will serve as a placement examination for accepted candidates
Degree Requirements

- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://www.music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department.
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor for course selections.
- Courses designated in 1 (General Education Program) are usually spread over the full four years.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

   (see General Education Program for detailed information)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MUH 3212 Music History and Literature II 3 hrs
- Select one course from 1.B.1 list 3 hrs
- Select one course from 1.B.1 or 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Suggested MGF 1107 Explorations in Mathematics 3 hrs
- or
- Suggested MGF 1106 Finite Mathematics or
- You may substitute a higher level math with appropriate scores on the Math Placement Exam

Statistics-Computers
- Select a course from GEP C.2 list 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 2014 Introduction to Music History and Literature 3 hrs
MUS 2380C Introduction to Music Technology 3 hrs
1 (4 semesters)

4. Core Requirements: Advanced Level (3 hrs)

MUH 3211 Music History and Literature I 3 hrs
MUH 3212 Music History and Literature II GEP

5. Restricted Electives (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 4XXX course 3 hrs

   Restricted Electives-Non-Music 18 hrs
   - Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

6. Capstone Requirements

   MUS 4900 Music BA Capstone Project 3 hrs

7. Foreign Language Requirements

Admissions

- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

   - Select primarily from upper-level courses

9. Additional Requirements

   - None

10. Required Minors

   - None

11. Departmental Exit Requirements

   - Earn a grade of “C” (2.0) or better in each Music course.

12. University Minimum Exit Requirements

   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, 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

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall 17 hrs

1 ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUL 2124 Introduction to Music History and Literature 3 hrs
MUN XXXX Ensemble 1 hr
MVX 141X Performance I 2 hrs
GEP E.1. Science Foundation 3 hrs
1 (GEP A.1.)

Freshman Year - Spring 14 hrs

ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
**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.

**Sophomore Year - Fall** 16 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUS 2122 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Ensemble 1 hr
- XXX 1120 Foreign Language 4 hrs

**Sophomore Year - Spring** 16 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUS 2122 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Ensemble 1 hr
- XXX 1120 Foreign Language 4 hrs

**Junior Year - Fall** 15 hrs
- MUH 3211 Music History and Literature I 3 hrs
- GEP B.2. Cultural & Historical Foundation 3 hrs
- MUT 3400X Music Restricted Elective 3 hrs
- XXX 34XXX Non-Music Restricted Elective 3 hrs

**Junior Year - Spring** 15 hrs
- MUH 3212 Music History and Literature II 3 hrs
- MUH 3212 Jazz Lab 1 hr
- MUX 34XX Music Restricted Elective 3 hrs
- MUX 34XX Music Restricted Elective 3 hrs
- XXX 34XXX Non-Music Restricted Elective 3 hrs

**Senior Year - Fall** 15 hrs
- GEP D.1. Social Foundation 3 hrs
- XXX 34XXX Non-Music Restricted Elective 3 hrs
- MUX 34XXX Music Restricted Elective 3 hrs
- MUX 34XXX Music Restricted Elective 3 hrs
- XXX 34XXX Non-Music Restricted Elective 3 hrs

**Senior Year - Spring** 12 hrs
- MUS 4900 Music BA Capstone Project 3 hrs
- MUX 34XXX Music Restricted Elective 3 hrs
- XXX 34XXX Non-Music Restricted Elective 3 hrs
- XXX 34XXX 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.oes.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Music - Jazz Studies Track (B.M.)**

**College of Arts and Humanities**

Department of Music, Colbourn Hall, Room: 205

http://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

**UCF Degree Programs**

**Professional Sequence Entrance Review**

- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0

- This review is a pre-requisite for Performance level III.

**Degree Requirements**

- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

1. **UCF General Education Program (GEP)** (36 hrs)

- (See General Education program for detailed information)

**A: Communication Foundations** (9 hrs)

- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**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 1.B.1 list 3 hrs
- Select one course from 1.B.1 list or 1.B.2 list 3 hrs

**C: Mathematical Foundations** (6 hrs)

- Math 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs

**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
- MUN 3713 Jazz Lab 1 hr
- MUS 1111 Class Piano I 1 hr
- MUS 1112 Class Piano II 1 hr
- MUS 2121 Class Piano III 1 hr
- MUS 2122 Class Piano IV 1 hr

1 Four semesters for total 4 hrs
## UCF Degree Programs

### 3. Core Requirements: Basic Level (6 hrs)
- MUL 3170 Music Theory I 3 hrs
- MUT 3171 Music Theory II 3 hrs
- MUS 1010 General Music 0 hrs
- MUL 2016 Evolution of Jazz 3 hrs

### 4. Core Requirements: Advanced Level (27 hrs)
- MUS 3953 Recital Performance I 3 hrs
- MSU 3431 Music History and Literature I 3 hrs
- MUS 3953 Recital Performance II 0 hrs
- MUS 4814 Jazz Styles and Analysis 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs

### Select 1:
- MUS 3953 Recital Performance I 3 hrs
- MUS 3953 Recital Performance II 0 hrs

### 5. Restricted Electives
- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUL, MUM, MUN, MUS, MUT, MVX courses numbered 3000 or higher.

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements
- None

### 8. Electives
- None

### 9. Additional Requirements
- None

### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by the following course, or departmental examination:
  - MUS 2360C Introduction to Music Technology 3 hrs
- A 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
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- Program A: Jazz Trumpet, Trombone, Saxophone

### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUS 1121 Music Theory and Musicianship I 4 hrs
- MUN 3713 Jazz Lab 1 hr
- MVP 1211 Secondary Percussion and 1 hr
- MVC 141X Performance I 2 hrs

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUS 1122 Music Theory and Musicianship II 4 hrs
- MUN 3713 Jazz Lab 1 hr
- MVP 1211 Secondary Percussion and 1 hr
- MVC 141X Performance I 2 hrs

### Additional Notes
- Any MUC, MUE, MUG, MUL, MUM, MUN, MUS, MUT, MVX courses numbered 3000 or higher.
- Eight semesters
- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUL, MUM, MUN, MUS, MUT, MVX courses numbered 3000 or higher.

### Restrictions
- None
### Sophomore Year - Fall
- SPC 1608: Fundamentals of Oral Communication (3 hrs)
- MUT 2126: Music Theory and Musicianship III (4 hrs)
- MUN 3713: Jazz Lab (1 hr)
- MVK 2121: Class Piano III (1 hr)
- MUT 3170: Jazz Theory I (3 hrs)
- MUS 1010: Music Forum (0 hrs)
- MUS 2360C: Introduction to Music Technology (3 hrs)
- MVX 242X: Performance II (2 hrs)

**Total:** 17 hrs

### Sophomore Year - Spring
- MUT 2127: Music Theory and Musicianship IV (4 hrs)
- MUN 3713: Jazz Lab (1 hr)
- MVK 2122: Class Piano IV (1 hr)
- MUT 3171: Jazz Theory II (3 hrs)
- MUS 1010: Music Forum (0 hrs)
- Cultural & Historical Foundation (3 hrs)
- MVX 343X: Performance III (3 hrs)
- MUX 3XXX: Restricted Elective (1 hr)

**Total:** 14 hrs

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### Junior Year - Fall
- MUT 3923: Jazz Workshop (3 hrs)
- MUS 1010: Music Forum (0 hrs)
- MGF 1106: Finite Mathematics (3 hrs)
- Cultural & Historical Foundation (3 hrs)
- MVX 343X: Performance III (3 hrs)
- MUX 3XXX: Restricted Elective (3 hrs)
- MUX 3XXX: Restricted Elective (1 hr)

**Total:** 16 hrs

### Junior Year - Spring
- STA 1063C: Basic Statistics Using Microsoft Excel (3 hrs)
- MUH 3211: Music History and Literature I (3 hrs)
- MUT 3923: Jazz Workshop (3 hrs)
- MUS 1010: Music Forum (0 hrs)
- MUS 3953: Recital Performance I (0 hrs)
- MVX 343X: Performance III (3 hrs)
- Science Foundation (3 hrs)
- MUS 1010: Music Forum (0 hrs)

**Total:** 13 hrs

### Senior Year - Fall
- MUS 1010: Music Forum (0 hrs)
- MUT 3923: Jazz Workshop (3 hrs)
- MUG 4814: Jazz Styles and Analysis (3 hrs)
- Social Foundation (3 hrs)
- MVX 444X: Performance IV (4 hrs)
- MVX 4XXX: Performance IV (1 hr)

**Total:** 16 hrs

### Senior Year - Spring
- MUG 4814: Jazz Styles and Analysis (3 hrs)
- Social Foundation (3 hrs)
- MVX 444X: Performance IV (4 hrs)
- MVX 4XXX: Performance IV (1 hr)

**Total:** 13 hrs

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### Program B: Jazz Piano, Guitar, Bass, Drum Set

- Program B: Jazz Piano, Guitar, Bass, Drum Set

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**Freshman Year - Fall**
- ENC 1101: Composition I (3 hrs)
- MUT 1121: Music Theory and Musicianship I (4 hrs)
- MUN 3713: Jazz Lab (1 hr)
- MVK 1111: Class Piano I (1 hr)
- MUS 1010: Music Forum (0 hrs)
- MUL 2014: Introduction to Music History and Literature (3 hrs)
- MVX 1XXX: Performance I (2 hrs)
- MVX 121X: Secondary Performance (1 hr)

**Total:** 15 hrs

**Freshman Year - Spring**
- ENC 1102: Composition II (3 hrs)
- MUT 1122: Music Theory and Musicianship II (4 hrs)
- MUN 3713: Jazz Lab (1 hr)
- MVK 1112: Class Piano II (1 hr)
- MUS 1010: Music Forum (0 hrs)
- MUS 2360C: Introduction to Music Technology (3 hrs)
- MUL 2016: Evolution of Jazz (3 hrs)
- MVX 1XXX: Performance I (2 hrs)

**Total:** 17 hrs

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### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Music - Music Composition Track (B.M.)
**College of Arts and Humanities**
**Department of Music, Colbourn Hall, Room: 205**
**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://www.music.ucf.edu/admissionsauditions.php](http://www.music.ucf.edu/admissionsauditions.php) to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.
Professional Sequence Entrance Review
- Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:
  - Approval of composition portfolio
  - Completion of Composition I and II
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of 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.

1. UCF General Education Program (GEP) (36 hrs)
   - (see General Education program for detailed information)

A: Communication Foundations (9 hrs)
   - Required: ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   - Required MUH 3212 Music History and Literature I 3 hrs
   - Select one course from 1.B.1 list 3 hrs
   - Select one course from 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
   - 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) (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 students take MUN 3453; guitar students take MUN 3483 4 hrs
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 3 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483) 2 hrs

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:

1. MUC Composition III 3 hrs
   2. MUC Composition IV 4 hrs
   3. MUH 4106C

One course selected from MUC/MUH/MUS/MUT, 3000 level or above

2. Two semesters for total 6 hrs
   2. Two semesters for total 8 hrs

5. Restricted Electives (9 hrs)
   - Any secondary performance course not in area of major instrument, or
   - Any MUC, MUE, MUG, MUH, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

Special Non-Course Requirements: Major Ensemble Participation
   - Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
   - Ensemble assignment is by the Ensemble Directors.
   - Students must take Major Ensemble during each semester at UCF.
   - Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Special Non-Course Requirements: Minor Ensemble Participation
   - If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
   - If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
   - Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
   - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
   - None

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None
11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course.
- Computer Competency met by the following or 
departmental examination:
  - MUS 2305C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be 
  completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, 
  CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon 
  Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Music Education
- Music
- Theatre

Certificates
- None

Related Minors
- Music
- Digital Media
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute 
  for Upper Division courses.
- Courses transferred from private and out-of-state 
  schools must be evaluated for equivalency credit. The 
  student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 2306C 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 Musicianship III 3 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 Musicianship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUC 2104C Composition II 2 hrs
- MGF 1106 Finite Mathematics 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural/Historical Foundation 3 hrs

Junior Year - Fall
- MUN XXXX Major Ensemble 1 hr

Junior Year - Spring
- MUT 4571 Analysis of Twentieth-Century Music 3 hrs
- MUC 3105C Composition III 3 hrs
- MUS 1010 Music Forum 0 hrs
- MVX 242X Performance II 2 hrs
- Cultural/Historical Foundation 3 hrs

Senior Year - Fall
- MUT 4571 Analysis of Twentieth-Century Music 3 hrs
- MUC 3105C Composition III 3 hrs
- MUS 1010 Music Forum 0 hrs
- MVX 242X Performance II 2 hrs

Senior Year - Spring
- MUT 4401 Counterpoint 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUC 4950 Composition Recital 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 34XXX Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning 
  outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - 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.
- 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.
### UCF Degree Programs

- **Completion of the following courses:**
  - MUS 2360C Introduction to Music Technology 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs

#### Degree Requirements

- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to [http://music.ucf.edu/students](http://music.ucf.edu/students) to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

##### 1. UCF General Education Program (GEP) (36 hrs)

- (See General Education program for detailed information)

<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>

**Take all of the following:**

- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MUH 3212 Music History and Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one course from 1.B.1 list</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one course from 1.B.2 list</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>Math</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1106 Finite Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1107 Explorations in Mathematics or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Statistics - Computers**

- Select a course from GEP.C.2 list | 3 hrs |

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
</table>

| 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.

<table>
<thead>
<tr>
<th>MUT 1121 Music Theory and Musicianship I</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 1122 Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 2126 Music Theory and Musicianship III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 2127 Music Theory and Musicianship IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111 Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 1112 Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 2121 Class Piano III</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 2122 Class Piano IV</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3484</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVX 141X Performance I (2 semesters)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVX 242X Performance II (2 semesters)</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Core Requirements: Basic Level** (6 hrs)

| MUL 2014 Introduction to Music History and Literature | 3 hrs |
| MUS 2360C Introduction to Music Technology | 3 hrs |
| MUS 1010 Music Forum | 0 hrs |

#### 4. Core Requirements: Advanced Level (24 hrs)

<table>
<thead>
<tr>
<th>MUS 3953 Recital Performance I</th>
<th>0 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 4954 Recital Performance II</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUG 3104 Basic Conducting</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUH 3211 Music History and Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUH 3212 Music History and Literature II GEP</td>
<td></td>
</tr>
<tr>
<td>MVX 343X Performance III (2 Semesters)</td>
<td>6 hrs</td>
</tr>
<tr>
<td>MVX 444X Performance IV (2 Semesters)</td>
<td>8 hrs</td>
</tr>
</tbody>
</table>

**Specialty Requirements (Choose One):** (22 hrs)

<table>
<thead>
<tr>
<th>Piano</th>
<th>(22 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 3400 Piano Literature I and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUL 3401 Piano Literature II and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVK 4640 Piano Pedagogy I and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUS 3453 Piano Ensemble and</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 MUN 3453 Piano Ensemble and</td>
<td>1 hr</td>
</tr>
<tr>
<td>Restricted Electives and</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Electives</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

**Guitar**

| MUL 4437 String Literature and Pedagogy and | 3 hrs |
| MUN 3487 Guitar Ensemble and | 1 hr |
| 1 MUN 3487 Guitar Ensemble and | 1 hr |
| Restricted Electives and | 12 hrs |
| Electives | 5 hrs |

**Voice**

| 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**

| MUL 4444 Woodwind Literature and Pedagogy and | 3 hrs |
| MUN XXXX Major Ensembles and | 2 hrs |
| MUN XXXX Minor Ensembles and | 4 hrs |
| Restricted Electives and | 8 hrs |
| Electives | 5 hrs |

**Brass**

| MUL 4443 Brass Literature and Pedagogy and | 3 hrs |
| MUN XXXX Major Ensembles and | 2 hrs |
| MUN XXXX Minor Ensembles and | 4 hrs |
| Restricted Electives and | 8 hrs |
| Electives | 5 hrs |

**Percussion**

| MUL 3463 Percussion Literature and | 2 hrs |
| MVP 3630 Percussion Pedagogy and | 2 hrs |
| MUN XXXX Major Ensembles and | 2 hrs |
| MUN XXXX Minor Ensembles and | 4 hrs |
| Restricted Electives and | 7 hrs |
| Electives | 5 hrs |

**Strings**

| MUL 4437 String Literature and Pedagogy and | 3 hrs |
| MUN XXXX Major Ensembles and | 2 hrs |
| MUN XXXX Minor Ensembles and | 4 hrs |
| Restricted Electives and | 8 hrs |
| Electives | 5 hrs |

1 This course is taken twice.

**5. Restricted Electives**

- 0-15 hrs
- Any MUC, MUE, MUG, MUH, 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 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 - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre
- Digital Media

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Program A: Strings, Woodwinds, Brass

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MKV 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Sophomore Year - Fall
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs

Junior Year - Fall
- MUS 3953 Recital Performance I 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr
- MVX 242X Performance II 2 hrs

Senior Year - Fall
- MUS 4954 Recital Performance II 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Restricted Elective 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUX 3/4XXX Restricted Electives 3 hrs

Program B: Percussion

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MKV 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVP 1411 Percussion I 2 hrs
- MUN XXXX Major Ensemble 1 hr
UCF Degree Programs

Freshman Year - Spring 17 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MVK 1112 Class Piano II 1 hr
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MVP 1141 Percussion I 2 hrs
MUN XXXX Major Ensemble 1 hr
Science Foundation 3 hrs

Sophomore Year - Fall 17 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUN 3443 Percussion Ensemble 1 hr
MVP 2421 Percussion II 2 hrs
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
MVK 2121 Class Piano III 1 hr
MUN XXXX Major Ensemble 1 hr

Junior Year - Fall 15 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MUN 3443 Percussion Ensemble 1 hr
MVP 2421 Percussion II 2 hrs
MUT 2122 Class Piano IV 1 hr
MUS 1010 Music Forum 0 hrs
MVG 1106 Finite Mathematics 3 hrs
Cultural & Historical Foundation 3 hrs
MUN XXXX Major Ensemble 1 hr

Senior Year - Fall 14 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVP 2421 Percussion II 2 hrs
MUS 1010 Music Forum 0 hrs
MVG 1106 Finite Mathematics 3 hrs
Cultural & Historical Foundation 3 hrs
Professional Sequence Entrance Review

Junior Year - Fall 15 hrs
MUG 3104 Basic Conducting 2 hrs
MUS 1010 Music Forum 0 hrs
MVK 1111 Class Piano I 1 hr
MUS 3953 Recital Performance I 0 hrs
MVK 3431 Piano III 2 hrs
MUX 3/4XXX Restricted Electives 6 hrs

Senior Year - Spring 14 hrs
MUS 1010 Music Forum 0 hrs
MUN 3453 Piano Ensemble 1 hr
MVP 4441 Piano IV 4 hrs
MUK 3431 Piano III 2 hrs
MUX 3/4XXX Restricted Electives 6 hrs

Program D: Guitar

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicianship II 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MVK 1411 Piano I 2 hrs

Freshman Year - Spring 17 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs

Sophomore Year - Spring 14 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVP 2421 Percussion II 2 hrs
MUS 1010 Music Forum 0 hrs
MVG 1106 Finite Mathematics 3 hrs
Cultural & Historical Foundation 3 hrs
Professional Sequence Entrance Review

Junior Year - Fall 15 hrs
MUG 3104 Basic Conducting 2 hrs
MUS 1010 Music Forum 0 hrs
MVK 1111 Class Piano I 1 hr
MUS 3953 Recital Performance I 0 hrs
MVK 3431 Piano III 2 hrs
MUX 3/4XXX Restricted Electives 6 hrs

Senior Year - Spring 14 hrs
MUS 1010 Music Forum 0 hrs
MUN 3453 Piano Ensemble 1 hr
MVP 4441 Piano IV 4 hrs
MUK 3431 Piano III 2 hrs
MUX 3/4XXX Restricted Electives 6 hrs

Program: Piano

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicianship II 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MVK 1411 Piano I 2 hrs

Freshman Year - Spring 17 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs

Sophomore Year - Fall 16 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVP 2421 Percussion II 2 hrs
MUS 1010 Music Forum 0 hrs
MUG 1106 Finite Mathematics 3 hrs
Cultural & Historical Foundation 3 hrs
Professional Sequence Entrance Review

Junior Year - Fall 15 hrs
MUG 3104 Basic Conducting 2 hrs
MUS 1010 Music Forum 0 hrs
MVM 4441 Piano IV 4 hrs
MUK 3431 Piano III 2 hrs
MUX 3/4XXX Restricted Electives 6 hrs

Senior Year - Spring 14 hrs
MUS 1010 Music Forum 0 hrs
MUN 3453 Piano Ensemble 1 hr
MVP 4441 Piano IV 4 hrs
MUK 3431 Piano III 2 hrs
MUX 3/4XXX Restricted Electives 6 hrs

Free Elective 2 hrs

Program: Piano

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicianship II 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVP 4441 Piano IV 4 hrs
MUS 1010 Music Forum 0 hrs
MVG 1106 Finite Mathematics 3 hrs
Cultural & Historical Foundation 3 hrs
Professional Sequence Entrance Review

Junior Year - Fall 15 hrs
MUG 3104 Basic Conducting 2 hrs
MUS 1010 Music Forum 0 hrs
MVM 4441 Piano IV 4 hrs
MUK 3431 Piano III 2 hrs
MUX 3/4XXX Restricted Electives 6 hrs

Free Elective 2 hrs

Program: Piano

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicianship II 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVP 4441 Piano IV 4 hrs
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs

Freshman Year - Spring 17 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUN 3453 Piano Ensemble 1 hr
MVP 4441 Piano IV 4 hrs
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs

Science Foundation 3 hrs
### Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication: 3 hrs
- MUT 2126 Music Theory and Musicianship III: 4 hrs
- MUN 3487 Guitar Ensemble: 1 hr
- MVS 2426 Guitar II: 2 hrs
- MVK 2121 Class Piano III: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUG 3104 Basic Conducting: 2 hrs
- STA 103C: Basic Statistics Using Microsoft Excel: 3 hrs

### Sophomore Year - Spring
- MUT 2127 Music Theory and Musicianship IV: 4 hrs
- MUN 3487 Guitar Ensemble: 1 hr
- MVS 3446 Guitar IV: 4 hrs
- MVK 2122 Class Piano IV: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MG 3106 Finite Mathematics: 3 hrs
- Cultural & Historical Foundation: 3 hrs

### Junior Year - Fall
- MUH 3211 Music History and Literature I: 3 hrs
- MVS 3436 Guitar III: 2 hrs
- MUS 1010 Music Forum: 0 hrs
- MUN 3487 Guitar Ensemble: 1 hr
- 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
- MUH 3212 Music History and Literature II: 3 hrs
- MUL 4437 String Literature and Pedagogy: 3 hrs
- MVS 4346 Guitar III: 2 hrs
- MUN 3487 Guitar Ensemble: 1 hr
- MUS 3953 Recital Performance I: 0 hrs
- MVS 4346 Guitar IV: 4 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs

### Senior Year - Fall
- MUS 1010 Music Forum: 0 hrs
- MUN 3487 Guitar Ensemble: 1 hr
- Social Foundation: 3 hrs
- Science Foundation: 3 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs
- Free Elective: 2 hrs

### Senior Year - Spring
- MUS 1010 Music Forum: 0 hrs
- MUS 4954 Recital Performance II: 0 hrs
- MUN 3487 Guitar Ensemble: 1 hr
- Social Foundation: 3 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs
- Free Elective: 3 hrs

### Program E: Voice

### Freshman Year - Fall
- ENC 1101 Composition I: 3 hrs
- ENC 1121: Music Theory and Musicianship I: 4 hrs
- MUS 1250 IPA for Singers: 1 hr
- MVK 1111 Class Piano I: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUL 2014: Introduction to Music History and Literature: 3 hrs
- MVV 1411 Voice I: 2 hrs
- MUN XXXX Major Ensemble: 1 hr

### Freshman Year - Spring
- ENC 1102: Composition II: 3 hrs
- MUT 1122: Music Theory and Musicianship II: 4 hrs
- MUS 3255 German and English Lyric Diction: 2 hrs
- MVK 1112: Class Piano II: 1 hr
- MUS 1010: Music Forum: 0 hrs
- MUS 2300C: Introduction to Music Technology: 3 hrs
- MVV 1411: Voice I: 2 hrs
- MUN XXXX Major Ensemble: 1 hr

### Sophomore Year - Fall
- MGF 1106 Finite Mathematics: 3 hrs
- MUT 2126 Music Theory and Musicianship III: 4 hrs
- MUS 3254 Italian and French Lyric Diction: 2 hrs
- MVK 2121: Class Piano III: 1 hr
UCF Degree Programs

- 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, 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)

- (See General Education Program for detailed information)

A: Communication Foundations (9 hrs)

Prefer SPC 1608 Fundamentals of Oral Communication

Take all of the following: 6 hrs

Required ENC 1101 Composition I and
Required ENC 1102 Composition II

B: Cultural & Historical Foundations (9 hrs)

Required MUH 3212 Music History and Literature II

Prefer AMH 2010 U.S. History: 1452-1877
Prefer AMH 2020 U.S. History: 1877-Present

C: Mathematical Foundations (6 hrs)

Math

Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs

Select a course from GEP C.2 list

D: Social Foundations (6 hrs)

Prefer POS 2041 American National Government 3 hrs
Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)

Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (38 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
EMF 2085 Introduction to Diversity for Educators 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
1 MUS 1010 Music Forum 0 hrs
MUN XXXX Major Ensembles (4 semesters) 4 hrs
MVX 141X Performance I (2 semesters) 4 hrs
MVX 242X Performance II (2 semesters) 4 hrs

1 4 semesters

3. Core Requirements: Basic Level (5 hrs)

1 MUS 1010 Music Forum CPP
MUT 1121 Music Theory and Musicianship I CPP
MUT 1122 Music Theory and Musicianship II CPP
MUT 2126 Music Theory and Musicianship III CPP
MUT 2127 Music Theory and Musicianship IV CPP
MVK 2122 Class Piano IV CPP
MUN XXXX Major Ensembles (4 semesters) CPP
MVX 141X Performance I (2 semesters) CPP
MVX 242X Performance II (2 semesters) CPP

1 4 semesters

Music Education Prerequisites - Basic 5 hrs

MUL 2014 Introduction to Music History and Literature 3 hrs
MUN XXXX Major Ensembles (2 semesters) 2 hrs

4. Core Requirements: Advanced Level (29 hrs)

MUG 3104 Basic Conducting 2 hrs
MUH 3211 Music History and Literature I 3 hrs
MUH 3212 Music History and Literature II GEP
MUE 3942 Music Internship I 3 hrs

Music Education Prerequisites - Advanced 17 hrs

MUG 3104 Basic Conducting and 2 hrs
MUH 3211 Music History and Literature I and 3 hrs
MUH 3212 Music History and Literature II and GEP
MUE 3942 Music Internship I and 3 hrs
MUE 4311 Elementary School Music Methods and 2 hrs
MUE 3333 Music Learning Theory and Assessment and 3 hrs
MVX 343X Performance III (2 Semesters) 4 hrs

Education Core 12 hrs

EDG 4410 Teaching Strategies and Classroom Management and 3 hrs
TSL 4080 Theory and Practice of Teaching ESL Students in Schools and 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools and 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
5. Restricted Electives (26 hrs)
- Music Education Specialty Area Courses and Professional Program Courses
- Complete one program

Program A - Instrumental
- MUE 2346 Vocal Techniques
- MUE 3302 Instrumental Conducting and Materials 2 hrs
- MUE 4332 Secondary Instrumental Methods I 3 hrs
- MUE 4943 Music Internship II 12 hrs

Select 1:
- MUE 4337 Secondary Instrumental Methods II or 3 hrs
- MUE 4441 String Methods 3 hrs

Select 5:
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 3461 Brass Techniques II or 1 hr
- MUE 2470 Percussion Techniques or 1 hr
- MUE 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
- MV 4640 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:
- 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 4333 Music and Students with Special Needs 2 hrs
- MUE 3333 General Music Literature and Techniques 2 hrs
- MUE 4331 Secondary Choral Methods I 3 hrs
- MUE 4943 Music Internship II 12 hrs
- MUG 3X02 Choral or Instrumental Conducting and Materials 2 hrs

Select 4:
- 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:
- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a “C” or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), Seminar in Music Teaching (MUE 4394) and Internship II (ESE 4943).
- Possess minimum professional preparation GPA of 2.5.
- Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Admission to Internship II will be granted to students who meet the following requirements:
- Completion of all admission requirements for Internship I (see above).
- Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
- Completion of all music methods and techniques courses.
- Completion of all General Education and Common Program courses.
- Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements
- Note: Contact the Music Education Advisor for details.
- Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third semester of enrollment at UCF. (See http://www.fl.nesinc.com/ for test information).
- Electronic Portfolio. Students will develop an electronic portfolio while enrolled in upper division education courses and internship. The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.
- Students enrolled in a Performance course must concurrently enrolled in an appropriate major ensemble if accepted.
UCF Degree Programs

Recitals
- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization). Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

CMENC Membership
- Active participation in CMENC is expected. Students are expected to maintain a record of participation at CMENC events. In addition, students are expected to document attendance at any event that promotes development as a music educator (e.g., music or music education conferences, workshops).

Music Education Forums
- Attendance at all Music Education Forums (except during Internship I and II) is expected

Public School Partnerships
- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in a variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors
- None

11. Departmental Exit Requirements
- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following:
  - MUE 3693 Technology in Music Education 2 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 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
- 134

Honors In Major
- None

Related Programs
- Music
- Theatre

Certificates
- Florida Teaching Certification: Music K-12

Related Minors
- Music
- Theatre

Advising Notes
- Consult with the music education advisor for course selection

Transfer Notes
- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Note: Education majors are required to take six hours (in addition to EDF 2085) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Take General Knowledge Test after spring semester of Freshman Year.
- Apply for Professional Program after spring semester of Sophomore year.
- Take PET and Music Examination of FTCE after fall semester of Senior year.
- As indicated in the Plan of Study, all 3 remaining GEP classes will be taken during the summer semester of the Senior year.
- Program A - Instrumental Program K-12:

  **Freshman Year - Fall** 17 hrs
  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUE 1121 Music Theory and Musicianship I 4 hrs
  - MVK 1111 Class Piano I 1 hr
  - MUE 2346 Vocal Techniques 1 hr
  - MUS 1010 Music Forum 0 hrs
  - MVK 1111 Class Piano I 1 hr
  - MUX XXXX Ensemble 1 hr
  - CMENC/Schools
  - GEP 3 hrs
  - GEP 3 hrs

  **Freshman Year - Spring** 16 hrs
  - Take General Knowledge Test
  - MUL 2126 Music Theory and Musicianship III 4 hrs
  - MVK 2121 Class Piano III 1 hr
  - MUT 1122 Music Theory and Musicianship II 4 hrs
  - MUS 1010 Music Forum 0 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - MUX 141X Intro to Music Literature 3 hrs
  - MUX XXXX Ensemble 1 hr
  - CMENC/Schools

  **Sophomore Year - Fall** 15 hrs
  - MUT 2126 Music Theory and Musicianship III 4 hrs
  - MVK 2121 Class Piano III 1 hr
  - MUX 3211 Music History and Literature I 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - GEP 3 hrs
  - MUX XXXX Techniques 1 hr
  - MUX XXXX Techniques 1 hr
  - MUX 242X Performance II 2 hrs
  - MUX XXXX Ensemble 1 hr
  - CMENC/Schools

  **Sophomore Year - Spring** 16 hrs
  - Apply for Professional Program
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs
  - MVK 2122 Class Piano IV 1 hr
  - MUX 3211 Music History and Literature II 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUX XXXX Techniques 1 hr
  - MUX XXXX Techniques 1 hr
  - MUX 242X Performance II 2 hrs
  - MUX XXXX Ensemble 1 hr
  - CMENC/Schools
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<th>Term</th>
<th>Credits</th>
<th>Courses</th>
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<td>Junior Year</td>
<td>Fall</td>
<td>15 hrs</td>
<td>MUG 3104 Basic Conducting 2 hrs, MUE 4332 Secondary Instrumental Methods I 3 hrs, EDG 4323 Professional Teaching Practices 3 hrs, EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs, MUS 1010 Music Forum 0 hrs, MUE XXXX Techniques 1 hr, MVX 343X Performance III 2 hrs, MUN XXXX Ensemble 1 hr, CMENC/Schools</td>
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<tr>
<td></td>
<td>Spring</td>
<td>17 hrs</td>
<td>MUG 3302 Instrumental Conducting and Materials 1 hr, RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs, EME 2040 Introduction to Technology for Educators 3 hrs, MUS 1010 Music Forum 0 hrs, MUS 3953 Recital Performance I 0 hrs, Select: 3 hrs, MUE 4335 Secondary Choral Methods II or MUE 4441 String Methods 3 hrs, GEP 3 hrs, MVX 343X Performance III 2 hrs, MUN XXXX Ensemble 1 hr, CMENC/Schools</td>
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<tr>
<td></td>
<td>Fall</td>
<td>16 hrs</td>
<td>Junior Year - Fall MUS 1010 Music Forum 0 hrs, MUG 3104 Basic Conducting 2 hrs, MUE 4331 Secondary Choral Methods I 3 hrs, EDG 4323 Professional Teaching Practices 3 hrs, EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs, MVS 3460 Voice Pedagogy 2 hrs, MVX 343X Performance III 2 hrs, MUN XXXX Ensemble 1 hr, CMENC/Schools</td>
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<tr>
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<td>Spring</td>
<td>17 hrs</td>
<td>MUG 3302 Instrumental Conducting and Materials 1 hr, RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs, EME 2040 Introduction to Technology for Educators 3 hrs, MUS 1010 Music Forum 0 hrs, MUS 3953 Recital Performance I 0 hrs, Select: 3 hrs, MUE 4335 Secondary Choral Methods II or MUE 4441 String Methods 3 hrs, GEP 3 hrs, MVX 343X Performance III 2 hrs, MUN XXXX Ensemble 1 hr, CMENC/Schools</td>
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<td>Fall</td>
<td>17 hrs</td>
<td>MUS 1010 Music Forum 0 hrs, MUG 2126 Music Theory and Musicianship I 4 hrs, MVK 2121 Class Piano I 1 hr, MUS 1010 Music Forum 0 hrs, GEP 6 hrs, MUE XXXX Techniques 1 hr, MVX 242X Performance II 2 hrs, MUN XXXX Ensemble 1 hr, CMENC/Schools</td>
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<tr>
<td></td>
<td>Spring</td>
<td>17 hrs</td>
<td>MUS 1010 Music Forum 0 hrs, MUG 2126 Music Theory and Musicianship I 4 hrs, MVK 2121 Class Piano I 1 hr, MUS 1010 Music Forum 0 hrs, GEP 6 hrs, MUE XXXX Techniques 1 hr, MVX 242X Performance II 2 hrs, MUN XXXX Ensemble 1 hr, CMENC/Schools</td>
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<tr>
<td>Freshman Year</td>
<td>Fall</td>
<td>17 hrs</td>
<td>EDF 2005 Introduction to the Teaching Profession 3 hrs, MUIT 1121 Music Theory and Musicianship I 4 hrs, MVK 1111 Class Piano I 1 hr, MUS 1250 IPA for Singers 1 hr, MUS 1010 Music Forum 0 hrs, GEP 6 hrs, MVX 141X Performance I 2 hrs, MUN XXXX Ensemble 1 hr, CMENC/Schools</td>
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<td></td>
<td>Spring</td>
<td>16 hrs</td>
<td>Take General Knowledge Test, MUL 2014 Introduction to Music History and Literature 3 hrs, MUIT 1122 Music Theory and Musicianship II 4 hrs, MVK 1111 Class Piano I 1 hr, MUE 2346 Vocal Techniques 1 hr, MUS 1010 Music Forum 0 hrs, GEP 6 hrs, MVX 141X Performance I 2 hrs, MUN XXXX Ensemble 1 hr, CMENC/Schools</td>
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<td>Program B - Choral Program K-12</td>
<td>Freshman Year</td>
<td>17 hrs</td>
<td>EDF 2005 Introduction to the Teaching Profession 3 hrs, MUIT 1121 Music Theory and Musicianship I 4 hrs, MVK 1111 Class Piano I 1 hr, MUS 1250 IPA for Singers 1 hr, MUS 1010 Music Forum 0 hrs, GEP 6 hrs, MVX 141X Performance I 2 hrs, MUN XXXX Ensemble 1 hr, CMENC/Schools</td>
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<tr>
<td></td>
<td>Spring</td>
<td>16 hrs</td>
<td>Take General Knowledge Test, MUL 2014 Introduction to Music History and Literature 3 hrs, MUIT 1122 Music Theory and Musicianship II 4 hrs, MVK 1111 Class Piano I 1 hr, MUE 2346 Vocal Techniques 1 hr, MUS 1010 Music Forum 0 hrs, GEP 6 hrs, MVX 141X Performance I 2 hrs, MUN XXXX Ensemble 1 hr, CMENC/Schools</td>
</tr>
</tbody>
</table>

*GEP courses taken as part of 9 required summer hours.*
### Sophomore Year - Fall 15 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUT 2126** Music Theory and Musicanship III 4 hrs
- **MVK 2121** Class Piano III 1 hr
- **MUH 3211** Music History and Literature I 3 hrs
- **GEP 3500** 3 hrs
- **MUE XXXX** Techniques 2 hrs
- **MVX 242X** Performance II 2 hrs
- **MUN XXXX** Ensemble 1 hr

### Sophomore Year - Spring 16 hrs
- **Applying for Professional Program**
- **MUS 1010** Music Forum 0 hrs
- **EDF 2085** Introduction to Diversity for Educators 3 hrs
- **MUT 2127** Music Theory and Musicanship IV 4 hrs
- **MVK 2122** Class Piano IV 1 hr
- **MUH 3212** Music History and Literature II 3 hrs
- **MUE XXXX** Techniques 2 hrs
- **MVX 242X** Performance II 2 hrs
- **MUN XXXX** Ensemble 1 hr
- **MUN XXXX** Ensemble 1 hr

### Junior Year - Fall 15 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **MUE 4311** Elementary School Music Methods 2 hrs
- **EDG 4323** Professional Teaching Practices 3 hrs
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- **MUE 4393** Music and Students with Special Needs 2 hrs
- **MVX 343X** Performance III 2 hrs
- **MUN XXXX** Ensemble 1 hr
- **GEP** 3 hrs

### Junior Year - Spring 16 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUG 3553** General Music Literature and Techniques 2 hrs
- **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
- **MUS 3953** Recital Performance I 0 hrs
- **EME 2204** Introduction to Technology for Educators 3 hrs
- **MUS 2300** Introduction to Music Technology 3 hrs
- **MUG 3002** Choral or Instrumental Conducting 2 hrs
- **GEP** 3 hrs
- **MVX 343X** Performance III 2 hrs
- **MUN XXXX** Ensemble 1 hr

### Senior Year - Fall 15 hrs
- **Take PET and Music Examination of FTCE**
- **ESE 3940** Internship I - Secondary 3 hrs
- **MUE 3333** Music Learning Theory and Assessment 3 hrs
- **Select 1:**
  - **MUE 4331** Secondary Choral Methods I or **TSL 4080** Theory and Practice of Teaching ESOL 3 hrs
  - **Students in Schools**
- **GEP** 3 hrs

### Senior Year - Spring 15 hrs
- **ESE 4943** Internship II - Secondary 7 hrs
- **MUE 4994** Seminar in Music Teaching 1 hr
- **MUE 4943** Music Internship II 12 hrs
- **GEP** 3 hrs

### Senior Year - Summer 9 hrs
- Remaining 3 GEP courses taken as part of 9 required summer hours

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- **Part-Time Student:** $45 per term
- **Full-Time Student:** $90 per term

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### Nursing (B.S.N.)
**College of Nursing**
**UTWR, Room: 3rd floor**
[http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)
**Email:** ucfnurse@ucf.edu

Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean, Undergraduate
Patricia Leli, Undergraduate Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses. The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with a basic faculty advisor.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

### Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program
- Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu).
- Application for admission to the University must also be submitted by the program application deadline.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu).
- All applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline. This includes 3 courses from Group A, and the remainder from Groups A or B.

**Group A**
- **A minimum of three courses, with a grade of C (2.00) or better.**
- May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
- **Microbiology with Lab** 4 hrs
- **Anatomy with Lab** 4 hrs
- **Physiology with Lab** 4 hrs
- **General Chemistry (or other approved science)** 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

268 Undergraduate Catalog 2012-2013
Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog year, including any minors.

Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.

A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program.

UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (38 hrs)

Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities, and should be completed in the first 60 hours.

A: Communication Foundations

(9 hrs)

B: Cultural & Historical Foundations

(9 hrs)

C: Mathematical Foundations

(6 hrs)

1. Mathematics

(3 hrs)

You may substitute a higher-level math with appropriate scores on the Math Placement Test.

Pref: MAC 1105C College Algebra 3 hrs

2. Statistics

(3 hrs)

Required STA 2014C Principles of Statistics or 3 hrs

Required STA 2023 Statistical Methods 3 hrs

D: Social Foundations

(6 hrs)

1. Economics/Political Science

(3 hrs)

Pref: ECO 2023 Principles of Microeconomics or 3 hrs

Pref: POS 2041 American National Government 3 hrs

2. Social Sciences

(3 hrs)

Pref: PSY 2012 General Psychology or 3 hrs

Pref: 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.

MCB 2004C Microbiology for Health Professionals 4 hrs
ZOOL 3733C Human Anatomy 4 hrs
PCB 2004C Human Physiology 4 hrs
HUN 3011 Human Nutrition 3 hrs

1 CHM 1032 General Chemistry GEP

Select 1:

STA 2014C Principles of Statistics or 3 hrs

STA 2023 Statistical Methods I 3 hrs

Select 1:

SOW 3014 Assessing I: Human Development or 3 hrs

DEP 2004C Developmental Psychology 3 hrs

Select 1:

PSY 2012 General Psychology or 3 hrs

SYG 2000 Introduction to Sociology GEP

1 or other approved Science

3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level (62 hrs)

Any variation from the following must be approved in advance by the College of Nursing.

NUR 365 Health Assessment 2 hrs

NUR 306L Health Assessment Lab 1 hr

NUR 3825 The Role of the Professional Nurse 2 hrs

NUR 3028 Essentials of Nursing Practice 2 hrs

NUR 3755L Essentials of Nursing Practice Clinical 2 hrs

NUR 3028L Essentials of Nursing Practice Lab 1 hr

NUR 3634 Community Health Nursing 3 hrs

NUR 3634L Community Health Nursing Clinical 2 hrs

NUR 3125 Pathophysiology for Nursing Practice 3 hrs

NUR 3145 Pharmacology for Nursing Practice 3 hrs

NUR 3225 Nursing Care of the Adult I 3 hrs

NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs

NUR 3445 Nursing Care of Families 3 hrs

NUR 3445L Nursing Care of Families Clinical 2 hrs

NUR 3165 Nursing Research 3 hrs

NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

NUR 4227 Nursing Care of the Adult II 4 hrs

NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs

NUR 4535 Psychiatric Mental Health Nursing 3 hrs

NUR 4535L Psychiatric Mental Health Clinical 2 hrs

NUR 4257 Introduction to Critical Care Nursing 3 hrs

NUR 4945L Nursing Practicum 4 hrs

NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs

NUR 4637 Public Health Nursing 2 hrs

NUR 4637L Public Health Nursing Clinical 1 hr

5. Restricted Electives (3 hrs)

Nursing Electives

One College of Nursing elective

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

None

8. Electives

None

9. Additional Requirements

Students pursuing a BS degree must meet the University foreign language admission requirements before admission.

Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program. Students must:

Complete all courses in major with at least a “C” (2.0).

Maintain a UCF GPA of 2.5 or above.

Maintain a College of Nursing GPA of 2.5 or above.

10. Required Minors

None

11. Departmental Exit Requirements

All courses in major must be “C” (2.0) or better.

The UCF GPA must be 2.5 or above.

The College of Nursing GPA must be 2.5 or above.
### 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**
- 122

**Honors In Major**

-Honors Option Requires:
  - Open to students with a minimum 3.5 GPA in Nursing.
  - Completion of a three credit directed readings course.
  - Completion of a three credit thesis course.
  - Must earn a minimum cumulative UCF 3.2 GPA.
  - Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

**Related Programs**
- Health Services Administration
- Social Work

**Certificates**
- Aging Studies

**Related Minors**
- Psychology
- Health Sciences
- Health Services Administration

**Advising Notes**
- None

**Transfer Notes**
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 1032: May substitute any college Chemistry course or approved Science course.
  - DEP 2004: May substitute any Human Growth & Development across Life Span
  - HUN 3011: May substitute any Human Nutrition course
  - MCB 2004C: May substitute any Microbiology course which has a lab.
  - PCB 3703C: May take Anatomy and Physiology sequence (AP I & II).
  - PSY 2012: May substitute any General Psychology course.
  - STA 2014C: May substitute STA 20203 or equivalent.
  - SYG 2000: May substitute any Introductory Sociology course.
  - ZOO 3733C: May take Anatomy and Physiology sequence (AP I & II).

**Plan of Study**

**Freshman Year - Fall**

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<td>GEP</td>
<td>3 hrs</td>
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<td>Select 1:</td>
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<td>SYG 2000</td>
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<td>PSY 2012</td>
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**Freshman Year - Spring**

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<td>CHM 1032</td>
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**Sophomore Year - Fall**

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<td>NUR 3065L</td>
<td>1 hr</td>
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<tr>
<td>NUR 3028</td>
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<tr>
<td>NUR 3755L</td>
<td>2 hrs</td>
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<td>NUR 3028L</td>
<td>1 hr</td>
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<tr>
<td>NUR 3634</td>
<td>3 hrs</td>
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<tr>
<td>NUR 3634L</td>
<td>2 hrs</td>
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**Sophomore Year - Spring**

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<th>Hours</th>
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<tbody>
<tr>
<td>NUR 3125</td>
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<tr>
<td>NUR 3145</td>
<td>3 hrs</td>
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<tr>
<td>NUR 3225</td>
<td>3 hrs</td>
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<tr>
<td>NUR 3225L</td>
<td>2 hrs</td>
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<tr>
<td>NUR 3445</td>
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<tr>
<td>NUR 3445L</td>
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**Junior Year - Fall**

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<tr>
<td>NUR 4828</td>
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<tr>
<td>NUR 4637L</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>2 hrs</td>
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<tr>
<td>NUR 4945L</td>
<td>4 hrs</td>
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</tr>
<tr>
<td>NUR 4637L</td>
<td>2 hrs</td>
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<tr>
<td>NUR 4637</td>
<td>1 hr</td>
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<tr>
<td>NUR 4528</td>
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**Junior Year - Spring**

<table>
<thead>
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<tr>
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<tr>
<td>NUR 4227L</td>
<td>3 hrs</td>
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<tr>
<td>NUR 4535</td>
<td>3 hrs</td>
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<tr>
<td>NUR 4535L</td>
<td>2 hrs</td>
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<tr>
<td>NUR 4637L</td>
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**Senior Year - Fall**

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<tr>
<td>NUR 3755L</td>
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<tr>
<td>NUR 3028</td>
<td>1 hr</td>
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<tr>
<td>NUR 3028L</td>
<td>3 hrs</td>
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<td>NUR XXXX</td>
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**Senior Year - Spring**

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<tr>
<th>Course</th>
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<td>NUR 4945L</td>
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<tr>
<td>NUR 4637L</td>
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<tr>
<td>NUR 4637</td>
<td>1 hr</td>
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<tr>
<td>NUR 4528</td>
<td>3 hrs</td>
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**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
Nursing - Concurrent A.S.N. to B.S.N. enrollment option (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor
http://www.nursing.ucf.edu/
Email: ucfnurse@ucf.edu
Phone: 407-823-2744

A partnership between selected State/Community Colleges and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enroll in the RN to BSN program while completing the ASN program. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements
- Acceptance to the University does not constitute admission to this program. Only students admitted to the State/Community Colleges Nursing Programs are eligible for this enrollment option. Upon invitation, if not already admitted to UCF, students must make separate application to UCF and College of Nursing. Students are accepted into this program for their first semester of nursing and must progress according to a designated plan of study.
- Students not yet admitted to UCF must make application and be accepted by the University prior to admission to the ASN program. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.
- Criminal background checks and drug screening are required for all Concurrent students prior to their registering for the final practicum course NUR 4604L.

At the time of application, students must have:
- A cumulative GPA of 3.0 or above.
- Been accepted for enrollment and in good standing at the State/Community College ASN Nursing program.
- An AA degree from a Florida State/Community College or have met ALL UCF General Education requirements prior to program start.
- Met UCF Foreign Language admission requirement prior to program start.
- Completed seven out of eight pre-requisite coursework for UCF and all of the ASN nursing programs by deadline.
- A satisfactory score on the standardized entry test(s) required by both programs.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida State/Community College or other university.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)

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.

3. Science Foundations (7 hrs)
   1 Required BSC 2010C Biology I
   2 Required CHM 1032 General Chemistry

4. Core UCF Requirements 25 hrs
   NUR 3806 Professional Socialization Seminar
   NUR 3065 Health Assessment
   NUR 3065L Health Assessment Lab
   NUR 3805 Dimensions of Professional Nursing Practice
   NUR 3165 Nursing Research
   NUR 3634 Community Health Nursing
   NUR 4837 Health Care Issues, Policy, and Economics
   NUR 4828 Nursing Leadership, Management and Role Transition
   NUR 4637 Public Health Nursing
   NUR 4604L Practicum in Community and Public Health Nursing for RNs

Upper Division Credit 27 hrs
- May be met by validation

C: Mathematical Foundations (6 hrs)
   Prefer MAC 1105C College Algebra

Select 1:
- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)
   Select 1:
   - STA 2000 Introduction to Sociology or STA 2014C Principles of Statistics

Select 2:
   - SYG 2000 American National Government

E: Science Foundations (7 hrs)
   1 Science Foundation is six credit hours for General Education Program.
   This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
   2 or other Physical Science
   3 or other Science

1 Or other approved science. Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
2 May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.
3 Also meets General Education Requirements; Applicants should see a
### UCF Degree Programs

**NUR 3225L** Nursing Care of the Adult I: Clinical Practice 2 hrs  
**NUR 3445** Nursing Care of Families 3 hrs  
**NUR 3445L** Nursing Care of Families Clinical 2 hrs  
**NUR 4227** Nursing Care of the Adult II 4 hrs  
**NUR 4227L** Nursing Care of the Adult II: Clinical Practice 3 hrs  
**NUR 4535** Psychiatric Mental Health Nursing 3 hrs  
**NUR 4535L** Psychiatric Mental Health Clinical 2 hrs  

5. Restricted Electives (6 hrs)  
Any two upper division nursing electives 6 hrs  

6. Capstone Requirements  
None  

7. Foreign Language Requirements  
Admissions  
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.  

Graduation  
None  

8. Electives  
variable to meet degree requirements  

9. Additional Requirements  
None  

10. Required Minors  
None  

11. Departmental Exit Requirements  
Completion of all courses in major with a grade of “C” (2.0) or better  
Overall Cumulative GPA of 2.5 or above  
College of Nursing GPA of 2.5 or above  

12. University Minimum Exit Requirements  
A 2.0 UCF GPA  
60 semester hours earned after CLEP awarded  
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  
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.o eas.ucf.edu/alc/academic_learning_compacts.htm  

Equipment Fees  
Part-Time Student: $25 per term  
Full-Time Student: $50 per term

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**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**  

Stephen Heglund, RN to BSN Coordinator  
Dr. Linda Hennig, Assoc. Dean Undergraduate  
Dr. Jean Leuner, Dean  
Phone: 407-823-2744  

BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, Gordon Rule, etc.). All courses are available online and some courses may be offered face-to-face as well. For more information, see http://distrib.ucf.edu/home, and http://www.nursing.ucf.edu.  

**Admission Requirements**  
Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:  
Admission to UCF undergraduate program; graduation from an approved or accredited associate degree or diploma nursing program; current Licensure as an RN and, have either completed the UCF General Education Program (GEP) requirements or completed an AA degree from a Florida Community or State College 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 2.5  

**Degree Requirements**  
Students who change degree programs and select this major must adopt the most current catalog year, including minors.  
Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education Program requirements.  
Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding Common Program Prerequisites (CPP) requirements.  
The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other university.  
A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.  
UCF Residency Requirement: 30 hours.  
The courses designated in sections 1 (General Education - 36 hours) must be completed prior to enrolling in NUR 3634 - Community Health Nursing.  
The Foreign Language graduation requirement must be completed before enrolling in NUR 3634 - Community Health Nursing.  

1. **UCF General Education Program (GEP)** (36 hrs)  
A: Communication Foundations (9 hrs)  
B: Cultural & Historical Foundations (9 hrs)  
C: Mathematical Foundations (6 hrs)  
Prefer MAC 1105C College Algebra 3 hrs  

Select 1:  
Required STA 2014C Principles of Statistics or 3 hrs  
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 3 hrs  
1 Required PSY 2012 General Psychology 3 hrs
Select 1: 3 hrs
Suggested ECO 2013 Principles of Macroeconomics GEP
or Principles of Microeconomics 3 hrs
Suggested ECO 2023
Suggested POS 2041 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements.

E: Science Foundations (6 hrs)
Required BSC 2010C Biology I 4 hrs
CHM 1032 General Chemistry 3 hrs

1 Science Foundation is 6 credit hours for General Education Program. The 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
PSY 2012 General Psychology or GEP
SYG 2000 Introduction to Sociology GEP
MCB 2004C Microbiology for Health Professionals 4 hrs
CHM 1032 General Chemistry GEP

1 Required
2 STA 2014C Principles of Statistics or GEP
STA 2023 Statistical Methods I

Select 1: 3 hrs
SW 3104 Assessing I: Human Development or GEP
DEP 2004C Developmental Psychology 3 hrs

1 PSY 2012 or SYG 2000 Also meet General Education Requirements: Applicants should see a UCF Nursing Advisor for possible course substitutions.
2 Also meets General Education Requirements: Applicants should see a UCF Nursing Advisor for possible course substitutions.
3 (or other approved Science) Also meets General Education Requirements: Applicants should see a UCF Nursing Advisor for possible course substitutions.
4 May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits

3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level (51 hrs)

UCF Core 24 hrs
NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3085L Health Assessment Lab 1 hr
NUR 3165 Nursing Research 3 hrs
NUR 3634 Community Health Nursing 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4604L Practicum in Community and Public Health 4 hrs
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR 4637 Public Health Nursing 2 hrs

Upper Division Credit 27 hrs
NUR 3028 Essentials of Nursing Practice 2 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (6 hrs)
Any two upper division nursing electives (NUR or NSP prefix)

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.

Graduation
None

8. Electives
variable to meet degree requirements

9. Additional Requirements
A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.
Maintain a UCF GPA of 2.5 or above.
Maintain a College of Nursing GPA of 2.5 or above.

Progression Requirements:
Prior to NUR 3805: RN status or eligible to take NCLEX.
Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
Prior to NUR 3634 Community Health Nursing: 1) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida public Community College or State University System (SUS); 3) complete Nursing prerequisites; 4) complete foreign language admission requirement

Other:
Selected courses may be offered at regional campuses of Daytona, Cocoa, Leesburg, and Ocala.
The RN to BSN coursework is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.
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
UFC Degree Programs

Related Minors
- Health Sciences
- Health Information Management
- Health Services Administration
- Psychology

Advising Notes
- Students are required to design an individual plan of study with an advisor. An example plan is noted below. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (30 hrs)
- Assuming general education, foreign language, and nursing prerequisites are complete

Junior Year - Fall
- NUR 3805 Dimensions of Professional Nursing 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

Junior Year - Spring
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs

Junior Year - Summer
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Fall
- NUR 4829 Nursing Leadership, Management and Role Transition 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Spring
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4637 Public Health Nursing 2 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Philosophy (B.A.)

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/

Email: Philosophy2@ucf.edu

Dr. Don Jones, Don.Jones@ucf.edu, 407-823-2273
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu, 407-823-2273
Phone: 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.

- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required HUM 2120 Humanistic Tradition I 3 hrs
- Required HUM 2230 Humanistic Tradition II 3 hrs
- Required PHI 2010 Introduction to Philosophy 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- 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)
- Suggested MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics or
- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers (3 hrs)
- Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level

Core (6 hrs)
- PHI 3083 Research Methods in Philosophy 3 hrs
- PHI 4958 Senior Research Seminar 3 hrs

To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

Reasoning (6 hrs)

Select 2: (6 hrs)
- PHI 2011 Philosophical Reasoning or 3 hrs
- PHI 2101 Formal Logic I or 3 hrs
- PHI 2108 Critical Thinking or 3 hrs
- PHI 2647 Logic and Ethics or 3 hrs
- PHI 3131 Formal Logic II 3 hrs

History of Philosophy (9 hrs)

Select 2: (6 hrs)
- PHH 3100 Ancient Philosophy or 3 hrs
- PHH 3200 Medieval Philosophy or 3 hrs
- PHH 3460 Modern Western Philosophy 3 hrs

Select 1: (3 hrs)
- PHH 3600 Contemporary Philosophy or 3 hrs
- PHH 3510 Marx and Nietzsche or 3 hrs
- PHH 3700 American Philosophy or 3 hrs
- PHH 3790 African Philosophy 3 hrs

Values and Society (6 hrs)

Select 2: (6 hrs)
- PHI 3670 Ethical Theory or 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
- PHM 3401 Philosophy of Law or 3 hrs
- PHI 3800 Aesthetics or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3625 Virtual Ethics or 3 hrs
- PHI 4633 Ethics and Biological Science or 3 hrs
- PHI 3700 African Philosophy 3 hrs
- PHI 3805 Contemporary Aesthetics 3 hrs
- HUM 4823 Queer Theory in the Humanities 3 hrs
Being and Knowing 6 hrs

Select 2: 6 hrs

PHI 4500 Metaphysics or 3 hrs
PHI 4341 Ways of Knowing or 3 hrs
PHI 4300 Theories of Knowledge or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 4400 Philosophy of Science or 3 hrs
PHI 3320 Philosophy of Mind or 3 hrs
PHI 3451 Philosophy of Psychology or 3 hrs
PHI 4420 Philosophy of Social Science or 3 hrs
PHI 3323 Minds and Machines: Philosophy of Cognitive Science or

PHP 4782 Phenomenology or 3 hrs
PHI 4221 Philosophy of Language 3 hrs

Topics in Philosophy 3 hrs

Select 1: 3 hrs

- Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.

PHI 4931 Philosophy in the News or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body or Self or
PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
PHI 3033 Philosophy, Religion, and the Environment or
PHI 4804 Critical Theory or 3 hrs
PHP 3783 Modernity as a Philosophical Problem or 3 hrs
PHI 3750 The Problem of Evil or 3 hrs
PHI 3720 Faith and Reason or 3 hrs
PHI 3803 Philosophy and Creativity or 3 hrs
REL 3111 Religion and Philosophy Through Film or 3 hrs
PHP 3768 Existentialism or 3 hrs
HUM 4330 Performance Theory or 3 hrs
PHI 4935 Topics in Philosophy of Mind 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.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

Computer Competency met by one of the following: 3 hrs

- PHI 4970H Undergraduate Honors Thesis or 1 hr
- PHI 4938 Senior Research Seminar or 3 hrs
- STA 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 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
- Humanities - Philosophy, Religion, & Popular Culture Track
- Religious Studies

Certificates

- None

Related Minors

- Cognitive Sciences
- Environmental Studies
- Humanities
- Philosophy
- Religious Studies
- Women’s Studies

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 16 hrs

- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PHI 2101 Introduction to Philosophy 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs

- ENC 1102 Composition II 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
Photography (B.S.)
College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu/
Jason Burrell, 386-506-3944

(This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-Studio B.A. and Art-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.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.

UCF Degree Programs

Restricted Elective 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Fall
15 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Sophomore Year - Spring
15 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Fall
15 hrs
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.oas.ucf.edu/alc/academic_learning_compacts.htm

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 (6 hrs)
- Required ARH 2051 History of Western Art I 3 hrs

1 If not already completed as part of the A.S. degree, after acceptance into the program.

C: Mathematical Foundations (6 hrs)
- If not already completed as part of the A.S. degree, after acceptance into the program.

D: Social Foundations (6 hrs)
- Political Science or Economics 3 hrs
- Psychology or Sociology (If not already completed as part of the A.S. degree, after acceptance into the program.) 3 hrs

E: Science Foundations (6 hrs)
- Physical Science 3 hrs
- Life Science 3 hrs

2. Common Program Prerequisites (CPP)
- (Included in A.S. or B.S. requirements.)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Subject to change. Prerequisites have not been set by the state.

1 Required ARH 2051 History of Western Art II 3 hrs
2 PGY 3651C Narrative Editorial Photography 3 hrs
PGY 1403* Fundamentals of Photography (Already included in A.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 (36 hrs)
- PGY 3002 Contemporary Photography 3 hrs
- PGY 4003 Image, Culture, and Society 3 hrs
- PGY 3821C Advanced Digital Photography 3 hrs
- PGY 4472C Photo Visualization 3 hrs
- PGY 4228C Advanced Illustrative Photography 3 hrs
- PGY 4471 Photography Thesis 3 hrs
- PGY 3276 The Professional Environment 3 hrs
- PGY 3205C Photographic Lighting Techniques 3 hrs
- PGY 3651C Narrative Editorial Photography CPP
- PGY 3653C Advanced Editorial Photography 3 hrs
- PGY 3703C Photography & the Web 3 hrs
- PGY 3751C Videography 3 hrs
1 CRW 3011 Creative Writing for Non-Majors 3 hrs
1 ENC 3250 Professional Writing 3 hrs

1 Only one of these two courses may be selected.
### 5. Restricted Electives (6 hrs)

Select two of the following courses:
- PGY 3451C Alternative Processes 3 hrs
- PGY 4493C Photography and Art 3 hrs
- PGY 3480 Museum and Gallery Practices 3 hrs
- PGY 4472C Photo Visualization 3 hrs
- PGY 4941 Internship 3 hrs
- PGY 4235C Professional Photographic Workshop 3 hrs

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

### 8. Electives
- None

### 9. Additional Requirements
- 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
- None

#### Transfer Notes
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for General Education and Common Program Prerequisites

#### Plan of Study
- None

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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### 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.

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C" (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- Physics majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- 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 Physics major. These courses are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- Physics majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.

#### 1. UCF General Education Program (GEP) (38 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>SPC 1603 Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>ENC 1101 Composition I and ENC 1102 Composition II</td>
<td>6 hrs</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### 2. Physics Major (36 hrs)

- Select from the E.2. GEP list.
  - 3 hrs

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### UCF Degree Programs
2. Common Program Prerequisites (CPP) (20 hrs)
MAC 2311C Calculus with Analytic Geometry I  GEP
MAC 2312 Calculus with Analytic Geometry II  4 hrs
MAC 2313 Calculus with Analytic Geometry III  4 hrs

Select one of the following sequences of courses:
CHM 2045C Chemistry Fundamentals I  4 hrs
or
CHM 2040 Chemistry Fundamentals IA and  3 hrs
CHM 2041 Chemistry Fundamentals IB  3 hrs

Take all of the following:
CHM 2046 Chemistry Fundamentals II  3 hrs
CHM 2046L Chemistry Fundamentals Laboratory  1 hr
PHY 2048C Physics for Engineers & Scientists I  3 hrs
PHY 2049C Physics for Engineers and Scientists II  4 hrs

3. Core Requirements: Basic Level (36 hrs)
- Required of all specializations.
- In addition to those courses specified in the Common Program Prerequisites, students also must complete the following.
Core: Required, satisfies the CPP
CHM 2045C Chemistry Fundamentals I  3 hrs
- or
CHM 2040 Chemistry Fundamentals IA and  3 hrs
CHM 2041 Chemistry Fundamentals IB  3 hrs
- and
MAC 2311C Calculus with Analytic Geometry I and  3 hrs
MAC 2312 Calculus with Analytic Geometry II and  3 hrs
MAC 2313 Calculus with Analytic Geometry III and  3 hrs
PHY 2048C Physics for Engineers & Scientists I and  4 hrs
PHY 2049C Physics for Engineers and Scientists II and  4 hrs

Core: Additional requirements
MAP 2302 Ordinary Differential Equations I  3 hrs
PHY 3101 Physics for Engineers and Scientists III  3 hrs
PHZ 3151 Computer Methods in Physics  3 hrs
PHY 3220 Mechanics I  3 hrs
PHY 3513 Thermal and Statistical Physics  3 hrs
PHY 3323 Electricity and Magnetism I  3 hrs
PHY 4324 Electricity and Magnetism II  3 hrs
PHY 4604 Wave Mechanics I  3 hrs
PHY 4605 Wave Mechanics II  3 hrs
PHY 4912 Directed Independent Research (in area of specialization)  3 hrs

Laboratory Requirement  6 hrs
PHY 3802L Intermediate Physics Laboratory  3 hrs
And either
PHY 3752C Physics of Scientific Instruments or  3 hrs
PHY 3722C Physics Laboratory-Electronics  3 hrs

4. Core Requirements: Advanced Level
- Select one specialization
4.1. General Physics Specialization (18 hrs)
PHY 4803L Advanced Physics Laboratory  3 hrs
- Restricted Electives:  6 hrs
Select from upper division PHY, PHZ, or AST courses  6 hrs
- Directed Electives:  9 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2. Materials Physics Specialization (18 hrs)
- Select 1  3 hrs
PHY 4803L Advanced Physics Laboratory or  3 hrs
EEM 5356C Fabrication of Solid-State Devices  4 hrs
- Select 3  9 hrs
EEM 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

4.3. Optics and Lasers Specialization (18 hrs)
PHY 4424 Optics  3 hrs
- Select 2  6 hrs
EEL 4440 Optical Engineering or  3 hrs
PHY 4445 Lasers or  3 hrs
OSE 5203 Geometrical Optics and Imaging Systems or  3 hrs
OSE 5312 Light Matter Interaction or  3 hrs
OSE 5414 Fundamentals of Optoelectronic Devices  3 hrs
- Directed Electives:  9 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.4. Computational Physics Specialization (19 hrs)
PHZ 3151 Computer Methods in Physics  3 hrs
COP 3502C Computer Science I  3 hrs
COP 3503C Computer Science II  4 hrs
COT 4509 Numerical Calculus  3 hrs
- Restricted Electives  6 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.5. Astronomy Specialization (18 hrs)
AST 2002 Astronomy  3 hrs
- Select one  3 hrs
AST 4700 Experimental Methods in Astronomy or  3 hrs
AST 4762C Astronomical Data Analysis or  3 hrs
AST 5765C Advanced Astronomical Data Analysis  3 hrs
- and  6 hrs
Select from upper division AST courses  6 hrs
- Directed Electives:  6 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- None
Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must have at least a 2.0 GPA in all courses counted toward the major.
- Students will be required to take a nationally normed test in Physics during their last semester.
### Sophomore Year - Spring 15 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs
- PHY 3113 Introduction to Theoretical Methods of Physics 3 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- GEP 3 hrs

### Junior Year - Fall 15 hrs
- PHY 3802L Intermediate Physics Laboratory 3 hrs
- PHY 3323 Electricity and Magnetism I 3 hrs
- PHY 3513 Thermal and Statistical Physics 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs

### Junior Year - Spring 15 hrs
- PHY 3220 Mechanics I 3 hrs
- PHY 4324 Electricity and Magnetism II 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

### Senior Year - Fall 15 hrs
- PHY 4604 Wave Mechanics I 3 hrs
- PHY 4912 Independent Research 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

### Senior Year - Spring 14 hrs
- PHY 4605 Wave Mechanics II 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 2 hrs
- Free Elective 3 hrs

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**GEP**

- **CHM 2045C** Chemistry Fundamentals I 4 hrs
- **MAC 2311C** Calculus with Analytic Geometry I 4 hrs
- **MAC 2311C** Calculus with Analytic Geometry I 4 hrs
- **MAC 2311C** Calculus with Analytic Geometry I 4 hrs
- **MAC 2311C** Calculus with Analytic Geometry I 4 hrs
- **MAP 2302** Ordinary Differential Equations I 3 hrs
- **PHY 2048C** Physics for Engineers and Scientists I 4 hrs
- **PHY 2048C** Physics for Engineers and Scientists I 4 hrs
- **PHY 2048C** Physics for Engineers and Scientists I 4 hrs
- **PHY 2048C** Physics for Engineers and Scientists I 4 hrs
- **PHY 2048C** Physics for Engineers and Scientists I 4 hrs
- **PHY 3101** Physics for Engineers and Scientists III 3 hrs
- **PHY 3113** Introduction to Theoretical Methods of Physics 3 hrs
- **MAP 2302** Ordinary Differential Equations I 3 hrs
- **GEP 3 hrs**
- **GEP 3 hrs**
- **GEP 3 hrs**
- **GEP 3 hrs**

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**Plan of Study**

- **Prior to enrolling in Math, take Math Placement Test ~ [http://math.sdes.ucf.edu/](http://math.sdes.ucf.edu/)
- **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 14 hrs**
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- CHM 2045C Chemistry Fundamentals I 3 hrs
- GEP 3 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 2049C Physics for Engineers and Scientists II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- COP 3502C Computer Science I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

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**Undergraduate Committee**

- **A 2.0 UCF GPA**
- **60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 39 hours of course work must be completed in residency at UCF**
- **A 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**

- **Electrical Engineering**
- **Mechanical Engineering**

**Certificates**

- **None**

**Related Minors**

- **Mathematics**
- **Physics**
- **Astronomy**

**Advising Notes**

- **None**

**Transfer Notes**

- **Lower Division courses taken at community colleges do not substitute for Upper Division courses**
- **Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.**

**Acceptable Substitutes for Transfer Courses**

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

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**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/acl/academic_learning_compacts.htm](http://www.oes.ucf.edu/acl/academic_learning_compacts.htm)

**Equipment Fees**

- **Part-Time Student: $12.40 per term**
- **Full-Time Student: $24.80 per term**

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**Political Science (B.A.)**

**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@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 major in Political Science and International and Global Studies shall not count more than one course toward both programs.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     Required: ENC 1102 Composition I 3 hrs
     Prefer: SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     Prefer: AMH 2020 U.S. History: 1877-Present 3 hrs
     Select from GEP B.2 list 3 hrs
   - C: Mathematical Foundations (6 hrs)
     - 1. Math 3 hrs
       Prefer: MGF 1106 Finite Mathematics or 3 hrs
       Prefer: MGF 1107 Explorations in Mathematics or 3 hrs
       You may substitute a higher level math with appropriate scores on the Math Placement Test.
     - 2. Statistics 3 hrs
       Prefer: STA 2014C Principles of Statistics or 3 hrs
       Prefer: STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
       May substitute a higher level Statistics course.
   - D: Social Foundations (6 hrs)
     Required: POS 2041 American National Government 3 hrs
     Select from GEP D.2 list 3 hrs
   - E: Science Foundations (6 hrs)
     2. Common Program Prerequisites (CPP) (3 hrs)
       See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
       See Transfer Notes for possible substitutes.
     POS 2041 American National Government GEP
     POS 3703 Scope and Methods of Political Science 3 hrs

3. Core Requirements: Basic Level

1. Courses specifically identified in the preceeding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   - POS 2041 American National Government GEP/PP

4. Core Requirements: Advanced Level

1. Courses specifically identified in the preceeding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   - POS 3703 Scope and Methods of Political Science CPP

5. Restricted Electives (30 hrs)

   - Choose one of the following tracks.

Track 1: American Politics and Policy

Five courses from Area A 15 hrs
Two courses from Area B 6 hrs
Two courses from Area C 6 hrs
One additional course from any Area 3 hrs

Track 2: International Relations-Comparative Politics

No more than one of the following courses may be considered part of area B credit:
   - INR 4351 International Environmental Law or 3 hrs
   - INR 4401 International Law or 3 hrs
   - INR 4404 Space Law 3 hrs
   Two courses from Area A 6 hrs
   Two courses from Area B 15 hrs
   Two courses from Area C 6 hrs
   One additional course from any Area 3 hrs

Track 3: Prelaw

- Please see Political Science - Prelaw Track

Areas of Specialization

A. American Politics and Policy Area
   POS 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 3162 Florida Politics or 3 hrs
   POS 3233 Public Opinion or 3 hrs
   POS 3234 Protest in American Politics or 3 hrs
   POS 3235 Mass Media and Politics or 3 hrs
   POS 3258 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 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 5204 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 3 hrs

B. International Relations and Comparative Politics

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 4074 Politics of the NAFTA Region 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
   IDS 4315 Global Perspectives or 3 hrs
   INR 2002 International Relations-Theory and Practice or 3 hrs
   INR 3016 Global Political Issues or 3 hrs
9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required

- 120

Honors In Major

- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs

- Economics
- History
- Certificates
- Diplomacy

Related Minors

- None

Transfer Notes

- Lower division courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Math, take Math Placement Test – http://utc.sdes.ucf.edu/
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2010 U.S. History</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP-Math</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Total Semester Hours

- 15 hrs
### Political Science - Prelaw Track (B.A.)

**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@ucf.edu

Dr. Kerstin Hamann  
Phone: 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major. Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Sciences Prelaw Advisor. The following represent a suggested curriculum which both meets the requirements for a Political Science degree while preparing you for professional school.

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### Double major/dual degree policy in Political Science programs and minors

1. Students who double major in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses:
   - POS 2041 American National Government 3 hrs
   - POS 3703 Scope and Methods of Political Science 3 hrs
2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preferred AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Preferred AMH 2010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level (15 hrs)

- **Math:** 3 hrs
  - Prefer MGF 1106 Finite Mathematics or 3 hrs
  - Prefer MGF 1107 Explorations in Mathematics or 3 hrs
  - May substitute a higher level math with appropriate scores on the Math Placement Test.

#### 4. Social Foundations (6 hrs)

- **Political Science:** 3 hrs
  - Required POS 2041 American National Government 3 hrs

#### 5. Science Foundations (6 hrs)

- **Social Science:** 3 hrs
  - Select one of the listed courses 3 hrs

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

### Degree Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Statistics:

- Prefer STA 2014C Principles of Statistics or 3 hrs
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- May substitute a higher level statistics course. 3 hrs

#### Political Science

- Required POS 2041 American National Government 3 hrs
- Required POS 3703 Scope and Methods of Political Science 3 hrs

#### 3. Core Requirements: Basic Level

- Courses specifically identified in the preceeding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
- POS 2041 American National Government GEP/CPP
4. Core Requirements: Advanced Level (3 hrs)
- Courses specifically identified in the preceding

Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

POS 3703 Scope and Methods of Political Science 3 hrs
POS 4294 Judicial Process and Politics 3 hrs

5. Restricted Electives (27 hrs)
Select from the following courses:
- POS 4003 American Constitutional Law I or 3 hrs
- POS 4004 American Constitutional Law II or 3 hrs
- INR 4401 International Law 3 hrs

And, select one of the following options: (See Area courses list under Political Science)
- Five courses from area A and 15 hrs
- Two courses from area B and 6 hrs
- One course from area C 3 hrs
OR
- Two courses from area A and 6 hrs
- Five courses from area B and 15 hrs
- One course from area C 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.
- The following courses are not required, but serious students should consider taking these as free electives.
  - AGS 2021 Principles of Financial Accounting 3 hrs
  - AGS 2071 Principles of Managerial Accounting 3 hrs
  - BUL 3130 Legal and Ethical Environment of Business 4 hrs
  - ENC 3241 Writing for the Technical Professional 3 hrs
  - ENC 3250 Professional Writing 3 hrs
  - LIN 4105 History of the English Language 3 hrs
  - MIF 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 4841L 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

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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
- Entrepreneurship: For Non-Business Majors
- History
- Interpersonal/Organizational Communication
- Legal Studies
- Mass Communication
- Philosophy
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for upper division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

- Prior to enrolling in Math, take Math Placement Test – http://math.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- POS 2041 American National Government 3 hrs
- AMH 2010 U.S. History: 1849-1877 3 hrs
- GEP-Math 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 214C Principles of Statistics 3 hrs
- GEP 3 hrs
- GEP 3 hrs
Psychology (B.S.)
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/
Email: psychadvising@ucf.edu

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog
■ Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department
■ Students must earn at least a “C” (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses
■ Co-op or internship credit cannot be used in this major without prior approval
■ Students should consult with the Department Director of Undergraduate Advising, prior to applying for graduation (before registration for the final term)
■ Graduating seniors should complete the senior exit survey
■ Additional requirements exist for students pursuing the Honors in the major program.

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Contact: Psychology Advising Center, PSY 250, 407-823-2219;
Phone: 407-823-2216

UCF Degree Programs

Sophomore Year - Fall 16 hrs
Restricted Elective 3 hrs
Foreign Language 4 hrs
Supporting 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
Restricted Elective 3 hrs
Supporting Elective 3 hrs

Junior Year - Spring 14 hrs
Restricted Elective 3 hrs
Supporting Elective 4 hrs
Supporting Elective 4 hrs
Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs

Senior Year - Spring 14 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 4 hrs
Supporting Elective 4 hrs

Program Academic Learning Compacts

■ 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: 3 hrs
Required STA 2023 Statistical Methods I or STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Social Sciences: 3 hrs
Select one of the listed choices 3 hrs

E: Science Foundations (6 hrs)
Biologc: 3 hrs
■ Select the advanced option if additional biology courses are planned.
Required BSC 1005 Biological Principles or BSC 2010C Biology I 3 hrs
Required BSC 1005 Biological Principles or 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.
Required BSC 1005 Biological Principles or BSC 2010C Biology I GEP

Statistics:
STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

3. Core Requirements: Basic Level
■ Most courses specifically identified in the preceeding 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 BSC 2010C Biology I GEP

Statistics:
STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (15 hrs)
PSY 3204C Statistical Methods in Psychology 4 hrs
PSY 3213C Research Methods in Psychology 5 hrs
PSB 3002 Physiological Psychology 3 hrs
PSY 4804 History and Systems of Psychology 3 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.
5. Restricted Electives (33 hrs)

A. Experimental: Select from the following:
- EXP 3404C Basic Learning Processes or 3 hrs
- EXP 3204C Perception or 4 hrs
- EXP 3604C Cognitive Psychology or 4 hrs
- PSB 4240C Neuropsychology or 4 hrs
- PSY 4215C Advanced Research Methods in Psychology or 4 hrs
- EXP 3640C Psychology of Language 3 hrs

B. Personality/Social: Select from the following:
- PFE 3003C Personality Theory and Research or 3 hrs
- SOP 3004C Social Psychology 3 hrs

C. Developmental: Select from the following:
- DEP 2004C Developmental Psychology or 3 hrs
- DEP 3202C Psychology of Exceptional Children or 3 hrs
- DEP 3464C Psychology of Aging 3 hrs

D. Diversity: Select from the following:
- CLP 3164 Women's Mental Health or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs

E. Applied: Select from the following:
- CLP 3302 Clinical Psychology or 3 hrs
- EXP 3250 Principles of Human Factors Psychology or 3 hrs
- INP 3004C Industrial/Organizational Psychology 3 hrs

F. Psychology Electives 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 or 1 hr
- ¹PSY 3951 Undergraduate Field Work 1 hr

¹ This course will not fulfill this requirement without prior approval.

G. Math/Science Electives: Select from the following:
- Students must meet the course prerequisites for any course they select. See course listing for prerequisites
- ANT 3541 Biobehavioral Anthropology or 3 hrs
- ANT 3550C Primatology or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- PHY 2053C College Physics I or 4 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- COP 3223 Introduction to Programming with C or 3 hrs
- COP 3502C Computer Science I or 3 hrs
- COP 3503C Computer Science II or 4 hrs
- MAC 2233 Concepts of Calculus or 3 hrs
- MAC 2253 Applied Calculus or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- STA 4102 Computer Processing of Statistical Data or 3 hrs
- STA 4163 Statistical Methods II or 3 hrs
- STA 4164 Statistical Methods III or 3 hrs
- BSC 1050 Biology and Environment or 3 hrs
- BSC 2011C Biology II or 4 hrs
- BSC 4312C Advanced Marine Biology or 4 hrs
- PCB 3063 Genetics or 3 hrs
- ENV XXXX Any ENV prefix course or 3 hrs
- GEO XXXX Any GEO prefix course or 3 hrs
- MCB XXXX Any MCB prefix course or 3 hrs
- ZOO XXXX Any ZOO prefix course or 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course 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 4907H Undergraduate Honors Thesis 3 hrs

Related Programs
- Sociology
- Anthropology
- Statistics
- Criminal Justice

Certificates
- Behavioral Forensics

Related Minors
- Psychology
- Sociology
- Anthropology
- Mathematics
- Advanced Statistics

Advising Notes
- Visit the Psychology Advising Center (PSY 250); walk-in advising available M-F from 9 to 5.

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:

UCF Degree Programs
### UCF Degree Programs

- **Biology:** any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and must still be taken. In addition, the advanced course is a prerequisite for some courses.
- **Statistics:** any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
- **DEP 2004:** any lower level psychology course will fulfill the CPP. However, since this course satisfies the CPP as well as psychology restricted elective 5C, students are advised to select it to satisfy their CPP.

#### Plan of Study
- **Freshman Year - Fall**
  - PSY 2012 General Psychology 3 hrs
  - ENC 1101 Composition I 3 hrs
  - GEP-Math 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

- **Freshman Year - Spring**
  - Biology 3 hrs
  - Statistics 3 hrs
  - ENC 1102 Composition II 3 hrs
  - GEP 3 hrs
  - Elective / Minor 3 hrs

- **Sophomore Year - Fall**
  - DEP 2004C Developmental Psychology 3 hrs
  - Restricted Elective 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - Foreign Language 4 hrs

- **Sophomore Year - Spring**
  - Restricted Elective 3 hrs
  - Restricted Elective 4 hrs
  - Foreign Language 4 hrs
  - GEP 3 hrs

- **Junior Year - Fall**
  - PSB 3002 Physiological Psychology 3 hrs
  - PSY 3204C Statistical Methods in Psychology 4 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Elective / Minor 3 hrs

- **Junior Year - Spring**
  - PSY 3213C Research Methods in Psychology 5 hrs
  - Elective / Minor 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs

- **Senior Year - Fall**
  - Restricted Elective 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs

- **Senior Year - Spring**
  - PSY 4604 History and Systems of Psychology 3 hrs
  - Elective / Minor 3 hrs
  - Restricted Elective 3 hrs
  - Elective / Minor 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $5.50 per term
- Full-Time Student: $11 per term

### Public Administration (B.A. / B.S.)

**College of Health and Public Affairs**

**School of Public Administration,**

**College of Health and Public Affairs II, Room: 238**


Dr. Michael Abels, pa/ba/bs@mail.ucf.edu

Phone: 407-823-2604

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor on a regular basis
- Students must earn at least a “C” (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a “C” (2.0)
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
     - Suggested: SPC 1608 Fundamentals of Oral Communication 3 hrs
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)
     - Required: CGS 1060C Introduction to Computer Science 3 hrs

2. **Social Foundations** (6 hrs)
   - Suggested: POS 2041 American National Government 3 hrs

3. **Science Foundations** (6 hrs)
   - Suggested: PSY 2012 General Psychology or 3 hrs
   - Suggested: SYG 2000 Introduction to Sociology or 3 hrs
   - Suggested: ANT 2000 General Anthropology 3 hrs

4. **E: Science Foundations** (6 hrs)
   - **2. Common Program Prerequisites (CPP)** (3 hrs)
     - See “Common Prerequisites” in the Transfer and Transition Services section
     - ECO 2013 Principles of Macroeconomics 3 hrs
     - CGS 1060C Introduction to Computer Science GEP
     - POS 2041 American National Government GEP

5. **Core Requirements: Basic Level**
   - None

6. **4. Core Requirements: Advanced Level** (21 hrs)
   - PAD 3003 Public Administration in American Society 3 hrs
   - PAD 4034 The Administration of Public Policy 3 hrs
   - PAD 4104 Administrative Theory 3 hrs
   - PAD 4204 Fiscal Management 3 hrs
   - PAD 4414 Public Personnel Administration 3 hrs
   - PAD 4720 Survey Research in Public Administration 3 hrs
   - PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
B.A./B.S. Option 6 hrs
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. Restricted Electives (39 hrs)
Public Administration electives are required as follows:
- PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.
- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
- Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation
- Graduation
  - Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- The students must attain a minimum grade of "C" (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required 120

Honors in Major
- None

Related Programs
- Accounting
- Interpersonal/Organizational Communication
- Economics
- Legal Studies
- Computer Science
- Social Work
- Political Science
- Criminal Justice
- Health Services Administration
- Management

Certificates
- Nonprofit Management

Related Minors
- Business
- Economics
- Political Science
- Legal Studies
- Criminal Justice
- Urban and Regional Planning
- Non-Profit Management/American Humanics National Certification Program
- Emergency Management and Homeland Security

Advising Notes
- None

Transfer Notes
- Intro to Computer Science (CGS 1060C) or any Computer Science course (3 credits)
- Economics I (ECO 2013) or any Macroeconomics course (3 credits)
- American National Government (POS 2041) or any course in American National Government (3 credits)

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This can be taken in any of the following combinations:
  6 hrs of PAD Internship; 6 hrs of PAD Electives; or 3 hrs of PAD Internship and 3 hrs of PAD Electives

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- POS 2041 American National Government 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs

Select 1: 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- MUL 2101 Enjoyment of Music or 3 hrs
- REL 2200 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- THE 2110 Theatre Survey or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Select 1: 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

Select 1: 3 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- AST 2002 Astronomy or 3 hrs
- Free Elective 3 hrs

Sophomore Year - Fall 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

Select 1: 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2120 World Civilization I 3 hrs

Select 1: 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering or 3 hrs
- GLY 1300 Geology and its Applications or 3 hrs
- GEO 1200 Physical Geography or 3 hrs
- ANT 2611 The Human Species or 3 hrs
- Free Elective 3 hrs

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UCF Degree Programs

**Sophomore Year - Spring** 15 hrs
- PAD 3003 Public Administration in American Society 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

Select 1: 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

**Junior Year - Fall** 15 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4414 Public Personnel Administration 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language I or BS option 3 hrs

**Junior Year - Spring** 15 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
- Restricted Elective 3 hrs
- Foreign Language II or BS option 3 hrs

**Senior Year - Fall** 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

**Senior Year - Spring** 15 hrs
- Restricted Elective 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- Restricted elective or PAD Internship 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeast.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeast.ucf.edu/alc/academic_learning_compacts.htm)

Radio - Television (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
[http://communication.cos.ucf.edu/](http://communication.cos.ucf.edu/)

**Email:** radiotv@ucf.edu
Dr. Tim Brown, Area Coordinator, timbrown@ucf.edu
Rebecca Morales, Academic Support, rebecca.morales@ucf.edu
Phone: 407-823-2681

Admission Requirements
- Students should apply to become Radio-Television majors only after completing all requirements for admission.
- Attain an overall minimum 2.25/4.00 GPA based on 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.
- Students must meet a grammar proficiency standard (“B” grades or better in the following courses or pass the grammar proficiency exam).
- Meet a grammar proficiency standard ("B" grades or better in the following courses or pass the grammar proficiency exam).
- Meet a grammar proficiency standard ("B" grades or better in the following courses or pass the grammar proficiency exam).
- Meet a grammar proficiency standard ("B" grades or better in the following courses or pass the grammar proficiency exam).
- Meet a grammar proficiency standard ("B" grades or better in the following courses or pass the grammar proficiency exam).
- Meet a grammar proficiency standard ("B" grades or better in the following courses or pass the grammar proficiency exam).

Application Deadlines:
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.
### E: Science Foundations (6 hrs)

### 2. Common Program Prerequisites (CPP)
- None
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level (12 hrs)
- These courses may be taken before applying to the major.
  - MMC 3200 Mass Communication Law 3 hrs
  - RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
  - RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
  - RTV 4403 Electronic Media, Technology, and Society 3 hrs
- Select 1:
  - SPC 1603 Fundamentals of Technical Presentations or GEP
  - SPC 1608 Fundamentals of Oral Communication GEP

### 4. Core Requirements: Advanced Level (6 hrs)
- These courses are only available to students who have been accepted into the major.
  - MMC 3420 Mass Media Research Methods 3 hrs
  - RTV 2102 Writing for the Electronic Media 3 hrs

### 5. Restricted Electives
- Specialization: Select one area and complete the credit hours required by that specialization.

#### A. Production 18 hrs
- Select from the following:
  - RTV 3210C Audio Production I or 3 hrs
  - RTV 3228C Studio Television Production or 4 hrs
  - RTV 3223C Lighting for Video or 3 hrs
  - RTV 3260C Single Camera Video Production and Editing or 4 hrs
  - RTV 3263C Advanced Video Post-Production or 3 hrs
  - RTV 3283C Production of Interactive Multimedia or 3 hrs
  - RTV 4211C Audio Production II or 3 hrs
  - RTV 4280C Webcasting I or 3 hrs
  - RTV 4281C Webcasting II or 3 hrs
  - RTV 4206C Television Directing or 3 hrs
  - RTV 4271C Radio Production and Programming or 3 hrs
  - RTV 3942L Practicum or 3 hrs
  - RTV 4941 Internship 3 hrs

1. May only apply a maximum of 3 hours to the requirement.

#### B. Broadcast Journalism 22 hrs
- Complete all of the following:
  - MMC 4602 Contemporary Media Issues and 3 hrs
  - RTV 3260C Single Camera Video Production and Editing and 4 hrs
  - RTV 3301 Electronic Journalism I and 3 hrs
  - RTV 3304 Electronic Journalism II and 3 hrs
  - RTV 4320C Television News 4 hrs

- Select from the following:
  - JOU 3004 History of American Journalism or 3 hrs
  - RTV 3234C Broadcast Announcing and Performance or 3 hrs
  - RTV 3283C Production of Interactive Multimedia or 3 hrs
  - RTV 4322C Advanced TV News or 3 hrs
  - RTV 4700 Regulation of Broadcasting or 3 hrs
  - RTV 4906 Directed Independent Study or 3 hrs
  - RTV 4941 Internship 3 hrs

1. May only apply a maximum of 3 hours to the requirement.

#### C. Broadcast Generalist 18 hrs
- Select from the following:
  - ADV 4103 Radio-Television Advertising or 3 hrs
  - COM 3330 Computer Mediated Communication or 3 hrs
  - MMC 4263 New Media Technologies or 3 hrs
  - RTV 3234C Broadcast Announcing and Performance or 3 hrs
  - RTV 3283C Production of Interactive Multimedia or 3 hrs
  - RTV 4271C Radio Production and Programming or 3 hrs

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### In Major
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in 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
### UCF Degree Programs

#### Related Programs
- Advertising-Public Relations
- Digital Media
- 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 taken at community colleges do not substitute for upper division courses.
- Courses transferred from private out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Consult a 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
- 1 CGS Computer Fundamentals for Business 3 hrs
- 2100C 4 hrs

1 See alternatives

#### 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 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 2102 Writing for the Electronic Media 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- Elective-minor 3 hrs
- Elective-outside of NSC 3 hrs

#### Junior Year - Spring
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs

#### Junior Year - Summer
- Restricted Elective 3 hrs

#### Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective, or -Elective-Outside of NSC 4 hrs
- Elective-Minor 3 hrs
- Elective-Minor 3 hrs
- Elective-outside of NSC 3 hrs

#### Senior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective, or -Elective-Outside of NSC 4 hrs
- Elective-Minor 3 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.oeas.ucf.edu/alc/academic_learning.compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning.compacts.htm)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Real Estate (B.S.B.A.)

**College of Business Administration**

**Dr. P. Phillips School of Real Estate,**
**Business Administration I, Room: 427**

Students seeking advising will need to go to BA 2 room 101.


Phone: 407-823-3575

Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements
- Completion of the UCF General Education Program and Gordon Rule, or an AA degree from a Florida public community college
- See Common Program Prerequisites

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework (from required courses and restricted electives below) can count toward another major or minor degree program.
- Students majoring in Real Estate must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the minor.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students wanting to major in real estate must apply for admission to the major.
Students in the real estate major must maintain a 2.0 or higher cumulative grade point average in all 3000 level or higher finance or real estate courses taken at UCF. Failure to maintain the required 2.0 GPA will result in the student being placed on lack of progress in the major. Lack of progress in the major will continue until such time as the student’s cumulative GPA in all finance and real estate courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in finance and real estate courses in the subsequent term, that student will be dropped as a real estate major. A student who is dropped may seek re-admittance as a real estate major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a finance and real estate GPA of 2.0 or higher. Readmission is not automatic.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (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
- Prefer MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)

Select 1:
- Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
- Suggested ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
- Suggested PSY 2012 General Psychology or 3 hrs
- Suggested SYG 2000 Introduction to Sociology or 3 hrs
- Suggested ANT 2000 General Anthropology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
- See Common Prerequisites in the Transfer and Transition Services section for more information.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs

Select one of the following sequences of courses:
- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401 6 hrs
- or ECO 2013 Principles of Macroeconomics 3 hrs
- or ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level (32 hrs)
First or subsequent semester in the College of Business Administration:
- 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3375 Introduction to International Business 4 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs

5. Restricted Electives (15 hrs)
Select 5:
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- MAR 3391 Professional Selling 3 hrs
- REE 3614 Environmental Issues for Real Estate 3 hrs
- REE 4103 Real Estate Appraisal and Valuation 3 hrs
- REE 4203 Commercial Real Estate Finance 3 hrs
- REE 4204 Residential Real Estate Finance 3 hrs
- REE 4303 Real Estate Investment Analysis 3 hrs
- REE 4732 Real Estate Development 3 hrs
- 1 REE 4903H Honors Directed Readings I 1 hr
- REE 4941 Internship 1 hr
- 1 REE 4970H Undergraduate Honors Thesis 1 hr
- REE 4933 Advanced Topics in Real Estate 3 hrs

1 Must be accepted into the UCF Honors in the Major program. See http://www.honors.ucf.edu/ for details.

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 4 hrs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120 Honors In Major
- None

Related Programs
- None

Certificates
- Real Estate: Mortgage Brokerage
- Real Estate: Real Estate Appraisal
- Real Estate: Real Estate Brokerage

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
UCF Degree Programs

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take ECO 3401.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- Must complete nine hours in a summer semester

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cull-Hist I 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cull-Hist II 3 hrs
- Art/Music/Lit 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- Science 3 hrs
- Psy/Soc/Ant 3 hrs
- Elective 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- FIN 2100 Personal Finance and Investments 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- FIN 3403C Business Finance 4 hrs

Junior Year - Spring
- GEB 3375 Introduction to International Business 4 hrs
- MAR 3023 Marketing 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- REE Elective 3 hrs

Senior Year - Fall
- MAN 3025 Management of Organizations 4 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- REE Elective 3 hrs

Senior Year - Spring
- MAN 4720 Strategic Management 4 hrs
- REE Elective 3 hrs
- REE Elective 3 hrs
- REE Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Religious Studies (B.A.)

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/

Email: religion@ucf.edu

Dr. Sabatino DiBernardo, sabatino.dibernardo@ucf.edu, 407-823-2273
Phone: 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required HUM 2210 Humanistic Tradition I 3 hrs
   Required HUM 2230 Humanistic Tradition II 3 hrs
   Required REL 2300 World Religions 3 hrs

   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

   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level
   HUM 2210 Humanistic Tradition I GEP
   HUM 2230 Humanistic Tradition II GEP
   REL 2300 World Religions GEP
   REL 2000 Introduction to Religious Studies 3 hrs
### 4. Core Requirements: Advanced Level (#24 hrs)

**Foundations in the Study of Religion and Humanities**

**Religion**
- REL 3110 Religion in America or 3 hrs
- REL 4110 Religions of the Arts or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- ANT 3241 Magic, Ritual, and Belief or 3 hrs
- POT 4632 Religion and Politics or 3 hrs
- SYO 4200 Religion in Society or 3 hrs

**Humanities and Classics**
- CLT 3370 Classical Mythology or 3 hrs
- CLT 3376 Comparative Mythology or 3 hrs
- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities or 3 hrs
- HUM 3255 Modern Humanities or 3 hrs
- HUM 3232 Contemporary Humanities or 3 hrs

**Traditions: Religion in a Global World**
- **Select 1:**
  - JST 3401 Jewish People in Antiquity or 3 hrs
  - JST 3402 Wanderings: The Jewish People in Dispersion or 3 hrs
- **Select 2:**
  - ANT 3245 Native American Religions or 3 hrs
  - HUM 3401 Asian Humanities or 3 hrs
  - HUM 3417 Hindu Thought and Culture or 3 hrs
  - HUM 3419 Islamic Thought and Culture or 3 hrs
  - HUM 3532 Christian Thought or 3 hrs
  - HUM 3533 Modern History or 3 hrs
  - REL 3446 Buddhist Thought or 3 hrs

**Applications: Topics and Issues in the Study of Religion**
- **Select 2:**
  - PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
  - REL 3111 Religion, Spirituality, and Popular Music or 3 hrs
  - REL 3434 Roots of Western Mysticism or 3 hrs
  - HUM 4554 Religious Quest and Human Dilemma or 3 hrs
  - HUM 4303 The Spiritual Ideal or 3 hrs
  - PHI 3672 Animal Ethics or 3 hrs
  - REL 4180 Religion and Medicine or 3 hrs

**5. Restricted Electives (#6 hrs)**
- Select two courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements):
- Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

**Select 2:**
- REL 4941 Internship or 1 hr
- HUM 3320 Contemporary Multicultural Studies or 3 hrs
- HUM 4301 The Classical Ideal or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHI 3829 Family Values or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3644 Ways of Living or 3 hrs
- PHI 3620 Philosophy of Love or 3 hrs
- PHI 3434 Ways of Knowing or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- HUM 3100 Freedom and Justice or 3 hrs
- PHP 3786 Existentialism or 3 hrs
- AML 3615 Harlem, Haiti, and Havana or 3 hrs
- ASH 3222 Islam and Its Empires or 3 hrs
- ASH 3233 The Modern Middle East or 3 hrs
- JST 3100 The Hebrew Creative Mind or 3 hrs
- JST 3125 The Book of Job or 3 hrs
- JST 3144 Dead Sea Scrolls or 3 hrs
- JST 3450 Modern Jewish Experience or 3 hrs
- JST 3550 Introduction to Modernism into Judaism or 3 hrs
- JST 3701 History of the Holocaust or 3 hrs
- JST 3751 Literature of the Holocaust or 3 hrs

**4. Core Requirements: Advanced Level (#24 hrs)**

**Foundations in the Study of Religion and Humanities**

**Religion**
- REL 3110 Religion in America or 3 hrs
- REL 4110 Religions of the Arts or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- ANT 3241 Magic, Ritual, and Belief or 3 hrs
- POT 4632 Religion and Politics or 3 hrs
- SYO 4200 Religion in Society or 3 hrs

**Humanities and Classics**
- CLT 3370 Classical Mythology or 3 hrs
- CLT 3376 Comparative Mythology or 3 hrs
- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities or 3 hrs
- HUM 3255 Modern Humanities or 3 hrs
- HUM 3232 Contemporary Humanities or 3 hrs

**Traditions: Religion in a Global World**
- **Select 1:**
  - JST 3401 Jewish People in Antiquity or 3 hrs
  - JST 3402 Wanderings: The Jewish People in Dispersion or 3 hrs
- **Select 2:**
  - ANT 3245 Native American Religions or 3 hrs
  - HUM 3401 Asian Humanities or 3 hrs
  - HUM 3417 Hindu Thought and Culture or 3 hrs
  - HUM 3419 Islamic Thought and Culture or 3 hrs
  - HUM 3532 Christian Thought or 3 hrs
  - HUM 3533 Modern History or 3 hrs
  - REL 3446 Buddhist Thought or 3 hrs

**Applications: Topics and Issues in the Study of Religion**
- **Select 2:**
  - PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
  - REL 3111 Religion, Spirituality, and Popular Music or 3 hrs
  - REL 3434 Roots of Western Mysticism or 3 hrs
  - HUM 4554 Religious Quest and Human Dilemma or 3 hrs
  - HUM 4303 The Spiritual Ideal or 3 hrs
  - PHI 3672 Animal Ethics or 3 hrs
  - REL 4180 Religion and Medicine or 3 hrs

**5. Restricted Electives (#6 hrs)**
- Select two courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements):
- Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

**Select 2:**
- REL 4941 Internship or 1 hr
- HUM 3320 Contemporary Multicultural Studies or 3 hrs
- HUM 4301 The Classical Ideal or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHI 3829 Family Values or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3644 Ways of Living or 3 hrs
- PHI 3620 Philosophy of Love or 3 hrs
- PHI 3434 Ways of Knowing or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- HUM 3100 Freedom and Justice or 3 hrs
- PHP 3786 Existentialism or 3 hrs
- AML 3615 Harlem, Haiti, and Havana or 3 hrs
- ASH 3222 Islam and Its Empires or 3 hrs
- ASH 3233 The Modern Middle East or 3 hrs
- JST 3100 The Hebrew Creative Mind or 3 hrs
- JST 3125 The Book of Job or 3 hrs
- JST 3144 Dead Sea Scrolls or 3 hrs
- JST 3450 Modern Jewish Experience or 3 hrs
- JST 3550 Introduction to Modernism into Judaism or 3 hrs
- JST 3701 History of the Holocaust or 3 hrs
- JST 3751 Literature of the Holocaust 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. 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
  - Must Take:
    - REL 4910 Senior Research Seminar 3 hrs

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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 Religious Studies are strongly encouraged to take Honors in the Major.
- Requirements are as follows:
  - Core, Elective Requirements, and Senior Seminar 36 hrs
  - Same requirement as for regular majors

**Honors Thesis**
- 6 hrs
- REL 4903H Honors Directed Readings I 3 hrs
- REL 4970H Undergraduate Honors Thesis 3 hrs

**Additional Requirements**
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Religious Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.
- Earn a “B” (3.0) or better in both of the following:
  - REL 4903H Honors Directed Readings I 3 hrs
  - REL 4970H Undergraduate Honors Thesis 3 hrs
Freshman Year - Fall 16 hrs
ENC 1101 Composition I 3 hrs
HUM 2210 Humanistic Tradition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
REL 2300 World Religions 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
HUM 2220 Humanistic Tradition II 3 hrs
STA 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

Sophomore Year - Spring 15 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
REL 4810 Senior Research Seminar 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Restaurant and Foodservice Management (B.S.)
Rosen College of Hospitality Management
Department of Food-services and Lodging
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Joe Hutchinson, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
       Required MAC 1105C College Algebra 3 hrs
       Select 1: STA 2023 Statistical Methods I 3 hrs
   D: Social Foundations (6 hrs)
       Select 1: ECO 2023 Principles of Microeconomics 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
   1 HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
   1 See “Common Prerequisites” in the Transfer and Transitions section (pg. 46) for more information.

3. Core Requirements: Basic Level
   MAC 1105C College Algebra 3 hrs
   Select 1: CGS 2100C Computer Fundamentals for Business or 3 hrs
   STA 2023 Statistical Methods I 3 hrs

4. Core Requirements: Advanced Level (55 hrs)
   Hospitality Core Requirements (34 hrs)
   FSS 2221C Techniques of Food Preparation 4 hrs
   HFT 2401 Hospitality Industry Financial Accounting 3 hrs
   HFT 2500 Hospitality and Tourism Marketing 3 hrs
   HFT 2220 Hospitality Human Resources Management 3 hrs
   HFT 3444 Hospitality Information Systems 3 hrs
   HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
   HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
   HFT 3540 Guest Services Management I 3 hrs
   HFT 4464 Hospitality Industry Finance 3 hrs
   HFT 4286 Hospitality Communications 3 hrs
   HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
Internships | 3 hrs | Related Minors
--- | --- | ---
HFT 3940 Internship I | 1 hr | None
HFT 4941 Internship II | 1 hr | Advising Notes
HFT 4944 Internship III | 1 hr | None

Restaurant Management Core | 10 hrs | Transfer Notes
--- | --- | ---
FSS 3124 Supply and Procurement Management | 3 hrs | Subject to the general grade and residence
HFT 3263 Restaurant Management | 3 hrs | requirements, credit will be granted for transferred course
HFT 3574 Food Service Marketing Advertising and Promotion Management | 3 hrs | work equivalent to that required in UCF’s Rosen College of Hospitality Management.
HFT 4457 Food, Beverage, and Labor Cost Controls | 3 hrs | Florida Public Community College students are encouraged to complete general education requirements, prior to transferring to UCF.
HFT 4881C Beverage Management | 3 hrs | A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
HFT 4844 Sanitation in the Food Service Industry | 3 hrs | 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.

5. Restricted Electives | (15 hrs) | Acceptable Substitutes for Transfer Courses
Select 5: 15 hrs
--- | --- | None
FSS 3008 Culture and Cuisine or | 3 hrs | 
FSS 4135 Corporate Contract and Managed Services Organizations or | 3 hrs | 
FSS 4266C Catering and Banquet Organization or | 3 hrs | 
HFT 3654 Franchising in the Restaurant Industry or | 3 hrs | 
HFT 3688 History and Culture of Wine or | 3 hrs | 
HFT 4266 Restaurant Brand Management or | 3 hrs | 
HFT 4268 Case Studies in Restaurant Management or | 3 hrs | 
HFT 4281 Restaurant Leadership Strategies and Tactics or | 3 hrs | 
HFT 4343 Hospitality Facilities Planning and Design or | 3 hrs | 
HFT 4864 Seminar in Quality Brewing and Fine Beer or | 3 hrs | 
HFT 4866C Exploring Wines of the World or | 3 hrs | 
HFT 4894 International Gastronomy or | 3 hrs | 
HUN 3013 Nutrition Concepts and Issues in the Food Service Industry | 3 hrs | 

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
■ None

8. Electives
■ 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
■ Final exams will be given during Exam Week only.
■ Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

10. Required Minors
■ None

11. Departmental Exit Requirements
■ None

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required 120

Honor in Major
■ None

Related Programs
■ None

Certificates
■ None

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UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2012-2013

295
Science Education - Biology (B.S.)

College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209

http://education.ucf.edu/science/

Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-1862
Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
- Note: Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2100 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or
  - Prefer STA 2041C Principles of Statistics 3 hrs
- Select 1: 3 hrs
  - Suggested MGF 1106 Finite Mathematics or 3 hrs
  - Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2042 General Psychology 3 hrs

E: Science Foundations (7 hrs)
- 1 Required PSC 1121 Physical Science 3 hrs
- 1 Required BSC 2010C Biology I 4 hrs

1 A grade of “C-” (1.75) is required.

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2065 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level (12 hrs)
- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- BSC 2010C Biology I GEP 3 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- PSC 1121 Physical Science GEP 3 hrs
- PSC 1121L Physical Science Lab 1 hr

4. Core Requirements: Advanced Level (62 hrs)

Education Core Requirements 18 hrs
- Program Internship I Prerequisites: EDF 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Internship I Block 7 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperience/.
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 3940 Internship 3 hrs

Specialization Requirements 25 hrs
- CHM 2205 Introduction to Organic and Biochemistry 5 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- MCB 3020C General Microbiology 5 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Select 1: 4 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- PCB 3063 Genetics & PCB 3063L Genetics Lab 4 hrs
Internship II

- At least 80% of all required biology courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Biology 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexper/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the professional level in accordance with State Board of Education Rule 6A-5.066.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements:

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required

- 120

Honors in Major

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (120 hrs)

Recommended Four Year Sequence of Courses

Freshman Year - Fall

- AMH 2101: U.S. History: 1492-1877 3 hrs
- ENC 1101: Composition I 3 hrs
- MGF 1106: Finite Mathematics 3 hrs
- PSY 2012: General Psychology 3 hrs

Freshman Year - Spring

- AMH 2102: U.S. History: 1877-Present 3 hrs
- ENC 1102: Composition II 3 hrs
- PHL 2101: Introduction to Philosophy 3 hrs
- SCI 1121: Physical Science 3 hrs
- SCI 1121L: Physical Science Lab 1 hr
- SPC 1608: Fundamentals of Oral Communication 3 hrs

Freshman Year - Summer

- POS 2041: American National Government 3 hrs
- EDF 2130: Child and Adolescent Development for Educators 3 hrs

Sophomore Year - Fall

- BSC 2010C: Biology I 4 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- EDF 2005: Introduction to the Teaching Profession 3 hrs

Sophomore Year - Spring

- BSC 2011C: Biology II 4 hrs
- CHM 2205: Introduction to Organic and Biochemistry 5 hrs
- EDF 2085: Introduction to Diversity for Educators 3 hrs
- EME 2040: Introduction to Technology for Educators 3 hrs

Sophomore Year - Summer

- TSL 4080: Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Fall

- EDF 4467: Learning Theory and Assessment 3 hrs
- EDG 4410: Teaching Strategies and Classroom Management 3 hrs
- PCB 3044: Principles of Ecology 3 hrs
- PCB 3044L: Principles of Ecology Laboratory 1 hr

Junior Year - Spring

- MCB 3026C: General Microbiology 5 hrs
- CHM 2046: Chemistry Fundamentals I 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- SCE 4361: Programs in Teaching Science 3 hrs

Junior Year - Summer

- RED 4043: Content Reading in Kindergarten through Grade 12 3 hrs

Senior Year - Fall

- EDF 4653: Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- SCE 3940: Internship 3 hrs
- SCE 4360: Science Instructional Analysis 4 hrs
- EEX 4242: Teaching Exceptional Students in Secondary Settings 3 hrs

Senior Year - Spring

- SCE 4941: Internship 12 hrs
- SCE 5360: Seminar 3 hrs

**Recommended Four Year Sequence of Courses**

Freshman Year - Fall

- AMH 2101: U.S. History: 1492-1877 3 hrs
- ENC 1101: Composition I 3 hrs
- MGF 1106: Finite Mathematics 3 hrs
- PSY 2012: General Psychology 3 hrs

Freshman Year - Spring

- AMH 2102: U.S. History: 1877-Present 3 hrs
- ENC 1102: Composition II 3 hrs
- PHL 2101: Introduction to Philosophy 3 hrs
- SCI 1121: Physical Science 3 hrs
- SCI 1121L: Physical Science Lab 1 hr
- SPC 1608: Fundamentals of Oral Communication 3 hrs

Freshman Year - Summer

- POS 2041: American National Government 3 hrs
- EDF 2130: Child and Adolescent Development for Educators 3 hrs

Sophomore Year - Fall

- BSC 2010C: Biology I 4 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- EDF 2005: Introduction to the Teaching Profession 3 hrs

Sophomore Year - Spring

- BSC 2011C: Biology II 4 hrs
- CHM 2205: Introduction to Organic and Biochemistry 5 hrs
- EDF 2085: Introduction to Diversity for Educators 3 hrs
- EME 2040: Introduction to Technology for Educators 3 hrs

Sophomore Year - Summer

- TSL 4080: Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Fall

- EDF 4467: Learning Theory and Assessment 3 hrs
- EDG 4410: Teaching Strategies and Classroom Management 3 hrs
- PCB 3044: Principles of Ecology 3 hrs
- PCB 3044L: Principles of Ecology Laboratory 1 hr

Junior Year - Spring

- MCB 3026C: General Microbiology 5 hrs
- CHM 2046: Chemistry Fundamentals I 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- SCE 4361: Programs in Teaching Science 3 hrs

Junior Year - Summer

- RED 4043: Content Reading in Kindergarten through Grade 12 3 hrs

Senior Year - Fall

- EDF 4653: Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- SCE 3940: Internship 3 hrs
- SCE 4360: Science Instructional Analysis 4 hrs
- EEX 4242: Teaching Exceptional Students in Secondary Settings 3 hrs

Senior Year - Spring

- SCE 4941: Internship 12 hrs
- SCE 5360: Seminar 3 hrs

**Recommended Four Year Sequence of Courses**

Freshman Year - Fall

- AMH 2101: U.S. History: 1492-1877 3 hrs
- ENC 1101: Composition I 3 hrs
- MGF 1106: Finite Mathematics 3 hrs
- PSY 2012: General Psychology 3 hrs

Freshman Year - Spring

- AMH 2102: U.S. History: 1877-Present 3 hrs
- ENC 1102: Composition II 3 hrs
- PHL 2101: Introduction to Philosophy 3 hrs
- SCI 1121: Physical Science 3 hrs
- SCI 1121L: Physical Science Lab 1 hr
- SPC 1608: Fundamentals of Oral Communication 3 hrs

Freshman Year - Summer

- POS 2041: American National Government 3 hrs
- EDF 2130: Child and Adolescent Development for Educators 3 hrs

Sophomore Year - Fall

- BSC 2010C: Biology I 4 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- EDF 2005: Introduction to the Teaching Profession 3 hrs

Sophomore Year - Spring

- BSC 2011C: Biology II 4 hrs
- CHM 2205: Introduction to Organic and Biochemistry 5 hrs
- EDF 2085: Introduction to Diversity for Educators 3 hrs
- EME 2040: Introduction to Technology for Educators 3 hrs

Sophomore Year - Summer

- TSL 4080: Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Fall

- EDF 4467: Learning Theory and Assessment 3 hrs
- EDG 4410: Teaching Strategies and Classroom Management 3 hrs
- PCB 3044: Principles of Ecology 3 hrs
- PCB 3044L: Principles of Ecology Laboratory 1 hr

Junior Year - Spring

- MCB 3026C: General Microbiology 5 hrs
- CHM 2046: Chemistry Fundamentals I 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- SCE 4361: Programs in Teaching Science 3 hrs

Junior Year - Summer

- RED 4043: Content Reading in Kindergarten through Grade 12 3 hrs

Senior Year - Fall

- EDF 4653: Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- SCE 3940: Internship 3 hrs
- SCE 4360: Science Instructional Analysis 4 hrs
- EEX 4242: Teaching Exceptional Students in Secondary Settings 3 hrs

Senior Year - Spring

- SCE 4941: Internship 12 hrs
- SCE 5360: Seminar 3 hrs
## UCF Degree Programs

### Science Education - Chemistry (B.S.)

**College of Education**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**


**Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-6430**

**Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862**

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

**Degree Requirements**

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

#### 1. UCF General Education Program (GEP) (37 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
<th>Required ENC 1101 Composition I 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1102 Composition II 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
<th>Prefer AMH 2010 U.S. History: 1492-1877 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer PHI 2010 Introduction to Philosophy 3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (6 hrs)</th>
<th>Required MAC 1144C College Trigonometry 3 hrs</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Select 1: (3 hrs)</th>
<th>Prefer STA 1063C Basic Statistics Using Microsoft Excel 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer STA 2014C Principles of Statistics 3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations (6 hrs)</th>
<th>Prefer POS 2041 American National Government 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer PSY 2012 General Psychology 3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations (7 hrs)</th>
<th>1 Required BSC 2010C Biology I 4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Required PSC 1121 Physical Science 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

1 A grade of "C-" (1.75) or better is required.

### 2. Common Program Prerequisites (CPP) (9 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- 1 EDF 2065 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

### 3. Core Requirements: Basic Level (8 hrs)

- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- PSC 1121 Physical Science GEP
- PSC 1121L Physical Science Lab 1 hr
- BSC 2010C Biology I GEP
- MAC 1114C College Trigonometry GEP

### 4. Core Requirements: Advanced Level (66 hrs)

**Education Core Requirements 18 hrs**

- Program Internship I Prerequisites: EDF 4410, TSL 4080 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools. EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

**Internship I Block 7 hrs**

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

- Students must apply and be approved for Internship I.

- Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalexperience/](http://www.education.ucf.edu/clinicalexperience/)

| SCE 3460 Science Instructional Analysis 4 hrs |
| SCE 3940 Internship 3 hrs |

### Specialization Requirements 29 hrs

- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- PHY 2053C College Physics I 4 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CNS 2501 Introduction to Forensic Science 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs
Internship II 12 hrs
- At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Chemistry 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexpx.
- 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.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Recommended Four Year Sequence of Courses

Freshman Year - Fall 13 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1114C College Trigonometry 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs

Select 1:
- 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 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Spring 13 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

Junior Year - Fall 16 hrs
- EDF 4410 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr

Junior Year - Spring 14 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SLE 4361 Programs in Teaching Science 3 hrs

Junior Year - Summer 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Senior Year - Fall 13 hrs
- BCH 4033 Biochemistry I 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- AMC 2010 Internship 3 hrs
- SCE 3940 Internship 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs

Senior Year - Spring 12 hrs
- SCE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Science Degree Programs

Science Education - Physics (B.S.)

College of Education

School of Teaching, Learning, and Leadership,
Education Building, Room: 209

http://education.ucf.edu/science/

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu,
407-823-5430

Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu,
407-823-1862

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirement are subject to change based on state mandates.

1. UCF General Education Program (GEP) (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 SP 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Prefer AMH 2010 U.S. History: 1877-Present 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs
   - Prefer AMH 2020 U.S. History: 1492-1877 3 hrs

   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
   - Prefer STA 2043C Statistics 3 hrs

   D: Social Foundations (6 hrs)
   - Prefer POS 2041 American National Government 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs

   E: Science Foundations (6 hrs)
   - Select 1: 3 hrs
   - Required PSC 1121 Physical Science 3 hrs
   - Prefer ANT 2511 The Human Species or
   - Prefer BSC 1005 Biological Principles 3 hrs

   1 A grade of "C-" (1.75) or better is required.

2. Common Program Prerequisites (CPP) (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transition Services section for more information.
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs

   1 In addition, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (8 hrs)
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - PSC 1121 Physical Science 3 hrs
   - PSC 1121L Physical Science Lab 1 hr
   - MAC 2311C Calculus with Analytic Geometry I 4 hrs

4. Core Requirements: Advanced Level (66 hrs)

   Education Core Requirements (18 hrs)
   - Program Internship I Prerequisites: EDF 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
   - EDF 4467 Learning Theory and Assessment 3 hrs
   - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
   - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
   - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
   - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Internship I Block (7 hrs)

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I.
- Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexper/

Specialization Requirements (29 hrs)

- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs
- SCE 4365 Science Instructional Analysis 4 hrs
- SCE 3940 Internship 3 hrs

Select 1: 3 hrs
- PHY 3752C Physics of Scientific Instruments or
- PHY 3722C Physics Laboratory-Electronics 3 hrs

Internship II (12 hrs)

- At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Physics 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II.
- Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/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-5.006.

SCE 4941 Internship 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 12 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1101 Composition I 3 hrs
PSY 2012 General Psychology 3 hrs

Select 1: 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
STA 2014C Principles of Statistics 3 hrs

Freshman Year - Summer 7 hrs
POS 2041 American National Government 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Fall 14 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PSC 1121 Physical Science 3 hrs
PSC 1121L Physical Science Lab 1 hr

Select 1: 3 hrs
ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

Sophomore Year - Spring 13 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Sophomore Year - Summer 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs

Junior Year - Fall 13 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Spring 13 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Junior Year - Summer 3 hrs
PHY 3101 Physics for Engineers and Scientists III 3 hrs

Senior Year - Fall 13 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
SCE 3940 Internship 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs

Select 1: 3 hrs
PHY 3752C Physics of Scientific Instruments or 3 hrs
PHY 3722C Physics Laboratory-Electronics 3 hrs

Senior Year - Spring 12 hrs
SCE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
UCF Degree Programs

Social Science Education (B.S.)
College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Required AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 1010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1:
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

Select 1:
- Prefer ANT 2511 The Human Species or ECO 2023 Principles of Microeconomics 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level (9 hrs)
- Student should consult advisor regarding course options.

1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
SYG 2000 Introduction to Sociology 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (66 hrs)

Education Core Requirements 18 hrs
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Internship I Block 6 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

SSE 4361 Social Science Instructional Analysis 3 hrs
SSE 3940 Internship 3 hrs

Specialization Requirements 30 hrs
- Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX)
- Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX)
- Upper Division History Elective (AMH prefix courses 3/4XXX)
- Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX)

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.
Plan of Study (120 hrs)

**Freshman Year - Fall**
- AMH 2010  U.S. History: 1492-1877  3 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- PSY 2012  General Psychology  3 hrs

**Freshman Year - Spring**
- AMH 2020  U.S. History: 1877-Present  3 hrs
- ENC 1102  Composition II  3 hrs
- POS 2041  American National Government  3 hrs

**Select 1:**
- ANT 2511  The Human Species or 3 hrs
- BSC 1005  Biological Principles  3 hrs

**Freshman Year - Summer**
- SSE 4941  Internship  12 hrs
- SSE 4936  Programs in Teaching Social Science  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- SSE 4940  Internship  3 hrs

**Sophomore Year - Fall**
- EDF 2085  Introduction to Diversity for Educators  3 hrs
- EME 2040  Introduction to Technology for Educators  3 hrs
- EDF 2130  Child and Adolescent Development for Educators  3 hrs

**Sophomore Year - Spring**
- EDF 2005  Introduction to the Teaching Profession  3 hrs
- ECO 2013  Principles of Microeconomics  3 hrs
- ECO 2023  Principles of Microeconomics  3 hrs
- SSE 4906  Internship  3 hrs

**Sophomore Year - Summer**
- STA 1063C  Basic Statistics Using Microsoft Excel or 3 hrs
- STA 1064C  Basic Statistics Using SPSS or 3 hrs

**Junior Year - Fall**
- SSE 3940  Internship  3 hrs
- EDF 4467  Learning Theory and Assessment  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- SSE 4906  Internship  3 hrs

**Junior Year - Spring**
- SSE 3941  Internship  3 hrs
- SSE 3461  Social Science Instructional Analysis  3 hrs
- SSE 3040  Internship  3 hrs
- GEO 3471  World Political Geography  3 hrs
- RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs

**Senior Year - Fall**
- EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
- EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs
- AMH 4111  The Human Species or 3 hrs

**Senior Year - Spring**
- SSE 4941  Internship  12 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oead.ucf.edu/alc/academic_learning_compacts.htm
Required if Communication option of the major is to be followed.

Complete one of the following: 3 hrs
A: Communication Foundations (9 hrs) completed in the first 60 hours.

Sciences will be enforced.
prior to enrollment.

3940, 4941) must be approved by the Sociology Department.
Research (course numbers 3905, 4906, 5907, 4912, 5917, 4918) cannot be used in this major.
credit) cannot be used in this major.
accepted.
used to satisfy the major.
acceptable within the specific minor.
specified in each minor.
entrance exam.
meet with a program advisor and complete a standardized exam in their graduating semester.

Students who change degree programs and select this concentration to be followed.

Select one of the following Statistics courses:
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Select at least three of the following, depending on concentrations to be taken:
ANT 2000 General Anthropology or 3 hrs
POS 2041 American National Government or 3 hrs
PSY 2012 General Psychology or 3 hrs
SPC 1608 Fundamentals of Oral Communication or 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs

Required Minors:
Complete the requirements for 3 Social Science minors dealing with the following areas:
Only one minor may be selected from the same department or school.
Anthropology 18 hrs
Communication 18 hrs
Political Science 18 hrs
Psychology 25 hrs
Sociology 18 hrs

5. Restricted Electives
None

6. Capstone Requirements
Students will be required to take a standardized exit exam in their graduating semester.

7. Foreign Language Requirements
Admissions
Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation
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
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
- Economics
- Political Science
- Psychology
- Public Administration
- Sociology

Certificates
- None

Related Minors
- Anthropology
- Interpersonal/Organizational Communication
- Economics
- Political Science
- Psychology
- Public Administration
- Sociology

Advising Notes
- Students should seek advising in the Sociology department.

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses
- 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://math.sdes.ucf.edu

Freshman Year - Fall
- ENC 1101  Composition I
- Mathematics
- GEP - Math
- GEP
- GEP

Freshman Year - Spring
- Core Course
- Statistics
- ENC 1102  Composition II
- Foreign Language
- GEP

Sophomore Year - Fall
- Core Course
- Elective / Minor
- GEP
- GEP

Sophomore Year - Spring
- Elective / Minor
- Elective / Minor
- GEP
- GEP

Junior Year - Fall
- Elective / Minor
- Elective / Minor
- Elective / Minor
- Elective / Minor

Junior Year - Spring
- Elective / Minor
- Elective / Minor
- Elective / Minor
- Elective / Minor

Senior Year - Fall
- Elective / Minor
- Elective / Minor
- Elective / Minor
- Free Elective

Senior Year - Spring
- Restricted Elective
- Restricted Elective
- Elective / Minor
- Free Elective

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alo/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $11 per term
- Full-Time Student: $22 per term
## Social Work (B.S.W.)

### College of Health and Public Affairs

#### School of Social Work,

Health and Public Affairs I, Room: 204

http://www.cohpa.ucf.edu/social/

Email: socialwk@ucf.edu

John Ronnau, Director
Robin Kohn, Undergraduate Program Coordinator
Phone: 407-823-2114

## Admission Requirements

- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University
  - A 2.5 overall GPA
  - An AA (from a Florida State Community College) or UCF General Education Program and Gordon Rule requirement

## Degree Requirements

- Students who are pending Social Work and are admitted to the program must adopt the most current catalog
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work
- Students should complete the General Education Program and the Common Program Prerequisite Requirements before beginning the Social Work Program
- Students should consult with a school advisor
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of “C” (2.0) in each course
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program
- Students must complete all the requirements listed in 1-11 below

### 1. UCF General Education Program (GEP) (36 hrs)

<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>
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</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
</table>

### Select 1:

| Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I | 3 hrs |

### Select 1:

| Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics | 3 hrs |

### D: Social Foundations (6 hrs)

| Suggested POS 2041 American National Government | 3 hrs |
| Suggested PSY 2012 General Psychology | 3 hrs |

### E: Science Foundations (6 hrs)

| Suggested BSC 1005 Biological Principles | 3 hrs |

Select 1:

| Prefer PSC 1121 Physical Science or AST 2002 Astronomy | 3 hrs |
| Suggested STA 2023 Principles of Microeconomics | 3 hrs |

## 2. Common Program Prerequisites (CPP) (6 hrs)

- See Transfer Notes
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

| POS 2041 American National Government | GEP |
| BSC 1005 Biological Principles | GEP |
| PSY 2012 General Psychology | GEP |
| SYG 2000 Introduction to Sociology | 3 hrs |

Select 1:

| ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics | 3 hrs |

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (45 hrs)

| SOW 3104 Assessing I: Human Development | 3 hrs |
| SOW 3203 Social Work & Community Resources | 3 hrs |
| SOW 3300 Practice I:Generalist Practice in Social Work | 3 hrs |
| SOW 3111 Assessing II: Human Systems | 3 hrs |
| SOW 3352 Practice II: Interpersonal Skills in Social Work | 3 hrs |
| SOW 3401 Social Work Research | 3 hrs |
| SOW 3620 Social Work with Diverse Populations | 3 hrs |
| SOW 4730 Documentation in Social Work Practice | 3 hrs |
| SOW 4232 Social Welfare Policies and Issues | 3 hrs |
| SOW 4341 Macro-Level Roles and Interventions in Social Work | 3 hrs |
| SOW 4343 Macro-Level Roles and Interventions in Social Work | 3 hrs |
| SOW 4522 Field Education Seminar | 3 hrs |
| SOW 4510 Field Education | 9 hrs |

### Required Principles of Statistics (3 hrs)

- Choose one of the following suggested courses, or see advisor for more options:

  - STA 2014C Principles of Statistics | 3 hrs |
  - STA 2023 Statistical Methods I | 3 hrs |

### Cultural Diversity Requirement (6 hrs)

- Choose two of the following suggested courses

  - ANT 4332 People and Cultures of Latin America | 3 hrs |
  - ANT 3363 Anthropology of Japan | 3 hrs |
  - ANT 2410 Cultural Anthropology | 3 hrs |
  - ANT 3610 Language and Culture | 3 hrs |
  - ASH 4404 China in 19th and 20th Centuries | 3 hrs |
  - ASH 4442 Modern Japan, 19th and 20th Centuries | 3 hrs |
  - CPO 4303 Comparative Latin American Politics | 3 hrs |
  - HUM 3401 Asian Humanities | 3 hrs |
  - HUM 3417 Hindu Thought and Culture | 3 hrs |
  - HUM 3419 Islamic Thought and Culture | 3 hrs |
  - JST 3401 Jewish People in Antiquity | 3 hrs |
  - JST 3402 Wanderings: The Jewish People in Dispersion | 3 hrs |
  - LAH 3130 Latin American History I | 3 hrs |
  - LAH 3200 Modern Latin America | 3 hrs |
  - LAH 3400 History of Mexico and Central America | 3 hrs |
  - LAH 3470 History of the Caribbean | 3 hrs |
  - AMH 3561 Women in American History I | 3 hrs |
  - AMH 3571 Black American History I | 3 hrs |
  - AMH 3586 History of the Hispanic Minorities in the U.S. | 3 hrs |
  - ANT 3302 Sex, Gender and Culture | 3 hrs |
  - ANT 3311 Indians of the Southeastern United States | 3 hrs |
  - ANT 3313 Indians of North America High Plains | 3 hrs |
  - SOP 3724 Psychology of Prejudice | 3 hrs |
  - SOP 3742 Psychology of Women | 3 hrs |
Transfer Notes
- Community College Equivalent courses for prerequisites: any course in the following areas (3 hrs each):
  - American Government or American National Government;
  - Biology (Human Biology or Anatomy & Physiology);
  - Economics (Microeconomics or Macroeconomics);
  - Introductory Psychology; Introductory Sociology; Principles of Statistics

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- BSC 1005 Biological Principles 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- Select 1: 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 or 3 hrs
  - SYG 2000 Introduction to Sociology or 3 hrs

Sophomore Year - Fall 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- SOW 2020 Careers in Creating Social Change 3 hrs
- Select 1: 3 hrs
  - ECO 2013 Principles of Macroeconomics or 3 hrs
  - ECO 2023 Principles of Microeconomics or 3 hrs

Sophomore Year - Spring 15 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Select 1: 3 hrs
  - ECO 2023 Principles of Microeconomics or 3 hrs

Sophomore Year - Summer 6 hrs
- Select 1: 3 hrs
  - CHM 1020 Concepts in Chemistry or 3 hrs
  - PSC 1121 Physical Science or 3 hrs
  - AST 2002 Astronomy 3 hrs

Junior Year - Fall 15 hrs
- SOW 3104 Assessing I: Human Development or 3 hrs
- SOW 3300 Practice I: Generalist Practice in Social Work or 3 hrs
- SOW 3620 Social Work with Diverse Populations 3 hrs
- SOW Elective 3 hrs

Relating Electives (6 hrs)
- Select six hours in consultation with faculty advisor.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Cultural Diversity Requirement

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major
- Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course
- Complete a three-credit thesis course
- Earn a 3.5 GPA in your Social Work major
- Earn a cumulative 3.2 GPA in your total UCF courses
- Complete 60 hours of college credit, including 12 upper division hours at UCF

Related Programs
- Criminal Justice
- Psychology
- Sociology
- Public Administration

Certificates
- Aging Studies
- Children's Services

Related Minors
- Health Services Administration
- Aging Studies
- Psychology
- Sociology

Non-Profit Management/American Humanics National Certification Program
- None

Advising Notes
- None

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

Undergraduate Catalog 2012-2013
### UCF Degree Programs

#### Sociology (B.A.)

**College of Sciences**  
**Department of Sociology**  
[http://sociology.ucf.edu/](http://sociology.ucf.edu/)  
**Email:** sociology@ucf.edu  
Dr. J. Jasinski, Jana.Jasinski@ucf.edu  
Phone: 407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students’ social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in 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)**

- **A: Communication Foundations (9 hrs)**
- **B: Cultural & Historical Foundations (9 hrs)**
- **C: Mathematical Foundations (6 hrs)**
- **Math:**
  - **3 hrs**

**2. Common Program Prerequisites (CPP) (3 hrs)**

- **Statistics:**
  - **3 hrs**

**3. Core Requirements: Basic Level**

- **All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.**

**4. Core Requirements: Advanced Level**

- **12 hrs**

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<th>Year</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tr>
<td><strong>Junior Year - Spring</strong></td>
<td>SOW 3111</td>
<td>Assessing II: Human Systems</td>
<td>3 hrs</td>
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<td></td>
<td>SOW 3352</td>
<td>Practice II: Interpersonal Skills in Social Work</td>
<td>3 hrs</td>
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<td></td>
<td>SOW 3401</td>
<td>Social Work Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>SOW 3620</td>
<td>Social Work with Diverse Populations</td>
<td>3 hrs</td>
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<td></td>
<td>Free Elective</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td><strong>Junior Year - Summer</strong></td>
<td>SOW 3620</td>
<td>Social Work with Diverse Populations</td>
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<td></td>
<td>SOW 3433</td>
<td>Macro-Level Roles and Interventions in Social Work</td>
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<td>SOW Elective</td>
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<td>SOW 4232</td>
<td>Social Welfare Policies and Issues</td>
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<td>SOW 4341</td>
<td>Micro-Level Roles and Interventions in Social Work</td>
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<td></td>
<td>SOW 4343</td>
<td>Macro-Level Roles and Interventions in Social Work</td>
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<td>SOW 4730</td>
<td>Documentation in Social Work Practice</td>
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<td>SOW 4522</td>
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<td>Free Elective</td>
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<tr>
<td><strong>Senior Year - Summer</strong></td>
<td>SOW 4941</td>
<td>Internship</td>
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**Program Academic Learning Compacts**

- **Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:**
  [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
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 4625: 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 Sociology 3 hrs
- SYO 3380: Social Organization and Human Relations 3 hrs
- SYO 3410: Patterns of Mental Health in Society 3 hrs
- SYO 3530: Social Power and Inequality 3 hrs
- SYO 4100: Family Trends 3 hrs
- SYO 4200: Religion in Society 3 hrs
- SYO 4250: Education and Social Achievement 3 hrs
- SYO 4300: Political Sociology 3 hrs
- SYO 4400: Medical Sociology 3 hrs
- SYP 3300: Fads, Crowds, and Social Action 3 hrs
- SYP 3400: Social Change 3 hrs
- SYP 3510: Sociology of Deviant Behavior 3 hrs
- SYP 3511: Sociology of Murder 3 hrs
- SYP 3520: Criminology 3 hrs
- SYP 3530: Juvenile Delinquency 3 hrs
- SYP 3540: Sociology of Law 3 hrs
- SYP 3551: Patterns of Alcoholism in Society 3 hrs
- SYP 3562: Patterns of Domestic Violence in Society 3 hrs
- SYP 3602: Pattern 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
- SYO 3600: Sex and Gender in Society 3 hrs
- SYO 4020: Birth, Death, and Population Trends 3 hrs

Internship:
- Eligible students may enroll for 3 to 6 semester hours of internship in the following courses. Arrangements for internships are coordinated by the Department Internship Supervisor and require prior approval.
- SYG 2000; although the CPP accepts any lower division sociology course, this course is required in the subsequent sociology courses and still must be taken.
- SYA 3110; although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of “C” (2.0) in all core courses.
- Students will be required to take a standard exit exam in their graduating semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Anthropology
- Criminal Justice

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).

Acceptable Substitutes for Transfer Courses
- SYG 2000; although the CPP accepts any lower division sociology course, this course is a prerequisite for subsequent sociology courses and still must be taken.
- SYA 3110: although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Math, take Math Placement Test ~ http://uto.sdes.ucf.edu/
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test ~ http://math.sdes.ucf.edu

Freshman Year - Fall

SYG 2000 Introduction to Sociology 3 hrs
ENC 1101 Composition I 3 hrs
Foreign Language 4 hrs
GEP 3 hrs
GEP-Math 3 hrs
## UCF Degree Programs

### Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs
- Free Elective 3 hrs
- GEP 3 hrs

### 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 3 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
- Free 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.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term

### Spanish (B.A.)

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**


**Email:** flfacult@ucf.edu

**Dr. Paul Giordano**

**Phone:** 407-823-2472

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

### Admission Requirements
- None

### Degree Requirements
- 36 credits in Spanish must be taken at the 3000 level or above.

- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
- Students must earn at least a “C” (2.0) in each upper division Spanish course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)
   - **Math** 6 hrs
     - Suggested MGF 1106 Finite Mathematics or
     - 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
   - **D: Social Foundations** (6 hrs)
   - **E: Science Foundations** (6 hrs)

2. **Common Program Prerequisites (CPP)**
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- 1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- 1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- 1 SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- 1 SPN 3234
- 1 May be met by proficiency test or completion of SPN 3234

3. **Core Requirements: Basic Level**
   - 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 Latin-American Literature I and 3 hrs
- SPW 3101 Survey of Latin-American Literature II 3 hrs
- or
- SPW 3130 Survey of Latin-American Literature I and 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs

- 1 A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

5. **Restricted Electives** (21 hrs)
   - Select one of the following 3 hrs
     - SPN 4901 Spanish Morphology 3 hrs
     - SPN 4800 Spanish-American Syntax 3 hrs
     - SPN 4780 Spanish Phonetics 3 hrs
     - SPN 3852 Bilingualismo 3 hrs
   - Spanish literature beyond the survey level 6 hrs
   - Taught in Spanish
Acceptable Substitutes for Transfer Courses

Third-year level composition and conversation courses.

Courses taken at community colleges do not substitute for Upper Division courses.

Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute third-year level composition and conversation courses.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement.
- Consult a departmental advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall

- ANT 2000  General Anthropology  3 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs

Sophomore Year - Fall

- AMH 2010  U.S. History: 1492-1877  3 hrs
- ARH 2050  History of Western Art I  3 hrs
- RMT 2012  Physical Science  3 hrs
- SPN 2200  Intermediate Spanish Language and Civilization I  3 hrs

Sophomore Year - Spring

- ENC 1101  Composition I  3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs
- SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs

Junior Year - Fall

- SPN 3301  Advanced Spanish Grammar and Composition  3 hrs
- SPN 3420  Spanish Composition  3 hrs
- SPN 3760  Advanced Spanish Oral Communication  3 hrs

Senior Year - Fall

- SPW 3101  Survey of Spanish Literature II  3 hrs
- SPN 4520  Latin American Civilization and Culture  3 hrs
- SPN 5705  Introduction to Spanish Linguistics  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

Related Programs

- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.
- Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute third-year level composition and conversation courses.
UCF Degree Programs

Sport and Exercise Science (B.S.)

College of Education

Department of Child, Family and Community Sciences, Education Building, Room: 209

http://education.ucf.edu/sportsexscience

Jeffrey Stout, sesadvising@ucf.edu, 407-823-0623

The Sport and Exercise Science BS program is offered at the UCF Orlando and UCF South Lake (Clermont) Campuses. The program prepares students for positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. The program is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e. physical therapy, occupational therapy, and cardiac rehabilitation). Students select from one of three areas of specialization: Human Performance, Coaching, or Children's Physical Activity and Movement. While in the program, students are encouraged to complete professional certification(s) within their specialization. Students are provided with a mix of course content and practical field and laboratory experiences.

Admission Requirements

- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college, state college or university.
- Have a minimum 2.5 overall GPA.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements

- Students should consult with an advisor on a regular basis.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a "C" (2.0) in each required course and maintain an overall GPA of at least 2.5.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete departmental application and approval process of the organization with which they will be working.

1. UCF General Education Program (GEP) (37 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I 3 hrs</td>
<td>Required AMH 2010 U.S. History: 1492-1877 3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II 3 hrs</td>
<td>Required AMH 2020 U.S. History: 1877-Present 3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
<td>Prefer from GEP section B.2 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (6 hrs)</th>
<th>Select 1: 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer MGF 1106 Finite Mathematics 3 hrs</td>
<td>Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations (6 hrs)</th>
<th>E: Science Foundations (7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer POS 2041 American National Government 3 hrs</td>
<td>Required BSC 2010C Biology I 4 hrs</td>
</tr>
<tr>
<td>Prefer PSY 2012 General Psychology 3 hrs</td>
<td>Prefer PSC 1121 Physical Science 3 hrs</td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (22 hrs)

<table>
<thead>
<tr>
<th>Core Requirements for Sport and Exercise Science (22 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3097 Health and Wellness 3 hrs</td>
</tr>
<tr>
<td>PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs</td>
</tr>
<tr>
<td>PET 4312C Kinesiology/Biomechanics 3 hrs</td>
</tr>
<tr>
<td>PET 4351C Exercise Physiology 3 hrs</td>
</tr>
<tr>
<td>PET 4550C Assessment and Evaluation in Exercise Science 3 hrs</td>
</tr>
<tr>
<td>ZOO 3736C Exercise Physiology Anatomy 4 hrs</td>
</tr>
<tr>
<td>PET 3005 Introduction to Sport and Exercise Science 3 hrs</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level (24 hrs)

A. Coaching Specialization (24 hrs)

<table>
<thead>
<tr>
<th>B. Human Performance Specialization (24 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 4132 Human Injuries: Mechanisms &amp; Prevention 3 hrs</td>
</tr>
<tr>
<td>PET 3765 Coaching Theory 3 hrs</td>
</tr>
<tr>
<td>PET 3771 Strength and Conditioning Concepts 3 hrs</td>
</tr>
<tr>
<td>PET 4050C Motor Development and Learning 3 hrs</td>
</tr>
<tr>
<td>PET 4215 Motivational Aspects of Athletic Performance 3 hrs</td>
</tr>
<tr>
<td>PET 4552 Exercise Prescription for Special Populations 3 hrs</td>
</tr>
<tr>
<td>PET 4143 Current Issues &amp; Trends in Sport and Exercise Science 3 hrs</td>
</tr>
<tr>
<td>PET 3125 Fitness and Weight Management 3 hrs</td>
</tr>
<tr>
<td>PET 4088 Physical Activity &amp; Preventive Medicine 3 hrs</td>
</tr>
</tbody>
</table>

C. Children’s Physical Activity & Movement Specialization (24 hrs)

<table>
<thead>
<tr>
<th>PET 3005 Introduction to Sport and Exercise Science 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4088 Physical Activity &amp; Preventive Medicine 3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (25 hrs)

- Students have the opportunity to add learning experiences, perform a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate studies, for example in medicine, physical therapy and other allied health graduate programs.
- Courses are required to be 2000 level or higher.

6. Capstone Requirements (12 hrs)

<table>
<thead>
<tr>
<th>Select 1: 9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4901 Capstone in Sport and Exercise Science 3 hrs</td>
</tr>
<tr>
<td>PET 4902 Sport and Exercise Science Practicum or Take 3 additional electives in the program approved by the advisor 9 hrs</td>
</tr>
</tbody>
</table>
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

None

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

Recreation

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 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>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>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP 8.1</td>
<td>Specialization or Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3005</td>
<td>Introduction to Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (2000-3000 level)</td>
<td></td>
<td>6 hrs</td>
</tr>
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</table>

Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP 8.1</td>
<td>Specialization or Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3097</td>
<td>Health and Wellness</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
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</table>

Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4312C</td>
<td>Kinesiology/Biomechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4351C</td>
<td>Exercise Physiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td></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>PET 3765</td>
<td>Coaching Theory</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4650C</td>
<td>Motor Development and Learning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4550C</td>
<td>Assessment and Evaluation in Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4763</td>
<td>Coaching Methods And Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
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</table>

Junior Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4901</td>
<td>Capstone in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4926</td>
<td>Sport and Exercise Science Practicum or</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Select 2:</td>
<td>Take 3 additional electives in the program approved by advisor</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

Human Performance Specialization

(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 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>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>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

UCF Degree Programs
## UCF Degree Programs

### Sophomore Year - Fall  
15 hrs  
- PET 3005 Introduction to Sport and Exercise Science  
- Elective (2000-3000 level)  
- Select 1:  
  - GEP B.1
  - CCG 1060 Introduction to Computer Science or  
  - STA 1063 Basic Statistics Using Microsoft Excel or  
  - STA 2014 Principles of Statistics  
- 3 hrs

### Junior Year - Fall  
15 hrs  
- PET 3097 Health and Wellness  
- Specialization or elective course  
- ZOO 3736 Exercise Physiology Anatomy  
- 4 hrs

### Junior Year - Spring  
13 hrs  
- PET 4312C Kinesiology/Biomechanics  
- PET 4550C Assessment and Evaluation in Exercise Science  
- PET 4351C Exercise Physiology  
- Elective course  
- PET 4215 Motivational Aspects of Athletic Performance  
- 3 hrs

### Senior Year - Fall  
15 hrs  
- Elective course  
- ATR 4132 Human Injuries: Mechanisms & Prevention  
- PET 4088 Physical Activity & Preventive Medicine  
- PET 4552 Exercise Prescription for Special Populations  
- PET 4143 Current Issues & Trends in Sport and Exercise Science  
- 3 hrs

### Junior Year - Summer  
7 hrs  
- Specialization or elective courses  
- 7 hrs

### Senior Year - Fall  
15 hrs  
- Elective course  
- ATR 4132 Human Injuries: Mechanisms & Prevention  
- PET 4088 Physical Activity & Preventive Medicine  
- PET 4552 Exercise Prescription for Special Populations  
- PET 4143 Current Issues & Trends in Sport and Exercise Science  
- 3 hrs

### Select 1:  
- PET 4926 Sport and Exercise Science Practicum or  
- Take 3 additional electives in the program approved by advisor.

### Children’s Physical Activity and Movement  
(120 hrs)

#### Freshman Year - Fall  
12 hrs  
- ENC 1101 Composition I  
- PSC 1121 Physical Science  
- PSY 2012 General Psychology  
- Elective  
- 3 hrs

#### Freshman Year - Spring  
16 hrs  
- BSC 2010C Biology I  
- ENC 1102 Composition II  
- MGF 1106 Finite Mathematics  
- POS 2041 American National Government  
- SPC 1608 Fundamentals of Oral Communication  
- 3 hrs

#### Sophomore Year - Fall  
15 hrs  
- GEP B.1
- PET 3005 Introduction to Sport and Exercise Science  
- Elective courses (2000-3000 level)  
- Select 1:  
  - CGS 1060C Introduction to Computer Science or  
  - STA 1063C Basic Statistics Using Microsoft Excel or  
  - STA 2014C Principles of Statistics  
- 3 hrs

#### Sophomore Year - Spring  
13 hrs  
- PET 3097 Health and Wellness  
- ZOO 3736C Exercise Physiology Anatomy  
- GEP B.1  
- Specialization or elective  
- 3 hrs

### Junior Year - Fall  
15 hrs  
- PET 3765 Coaching Theory  
- Elective  
- 3 hrs

### Junior Year - Spring  
15 hrs  
- PET 3820 Teaching Sports Skills I  
- PET 4550C Assessment and Evaluation in Exercise Science  
- PET 4351C Exercise Physiology  
- SPM 3204 Sports and Ethics  
- Elective  
- 3 hrs

### Junior Year - Summer  
7 hrs  
- Specialization or elective courses  
- 7 hrs

### Senior Year - Fall  
15 hrs  
- PET 4605C Motor Development and Learning  
- PET 4719 Methods for Physical Activity for Children and Adolescents  
- PET 4552 Exercise Prescription for Special Populations  
- ATR 4132 Human Injuries: Mechanisms & Prevention  
- Elective  
- 3 hrs

### Select 1:  
- PET 4901 Capstone in Sport and Exercise Science  
- Take 3 additional electives in the program approved by advisor.

### Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Statistics (B.S.)  
#### College of Sciences  
#### Department of Statistics,  
##### Computer Center II, Room: 212  
http://statistics.cos.ucf.edu/  
Email: statistics@ucf.edu  
Dr. David Nickerson, 407-823-5528  
Phone: 407-823-2289

#### Admission Requirements  
- None

#### Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog.  
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.  
- Students must earn at least a “C” (2.0) in each course with a STA prefix.  
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.  
- Co-op or internship credit cannot be used in this major.  
- Students should consult with a departmental advisor.  
- All prerequisites of courses taught within the College of Sciences will be enforced.  
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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
  - Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

   - Prefer ECO 2013 Principles of Macroeconomics 3 hrs

E: Science Foundations (8 hrs)

- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I or 4 hrs
- Required PHY 2053C College Physics I 4 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 COP 3223 Introduction to Programming with C 3 hrs
   - Required MAC 2311C Calculus with Analytic Geometry I GEP
   - Required MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - Required MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - Required STA 2023 Statistical Methods I GEP

Complete two laboratory courses designed for science majors:

- The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.

- Required PHY 2053C College Physics I 4 hrs
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Required CHM 2046L Chemistry Fundamentals Laboratory 3 hrs
- Required CHM 2041 Chemistry Fundamentals IA and 3 hrs
- Required CHM 2046L Chemistry Fundamentals Laboratory 3 hrs
- Required MAC 2311C Calculus with Analytic Geometry I GEP
- Required MAC 2312 Calculus with Analytic Geometry II and 4 hrs
- Required MAC 2313 Calculus with Analytic Geometry III and 4 hrs
- Required STA 2023 Statistical Methods I GEP

Select two semesters within the following:

- See Basic Core for details.
- Biology majors’ courses with labs or Chemistry majors’ courses with labs or Physics majors’ courses with labs

3. Core Requirements: Basic Level

   - All courses specifically identified in the preceding
   Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken;

   - Core: Required, satisfies the CPP
     COP 3223 Introduction to Programming with C and CPP
     MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
     MAC 2312 Calculus with Analytic Geometry II and CPP
     MAC 2313 Calculus with Analytic Geometry III and CPP
     STA 2023 Statistical Methods I and CPP

   - 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 CPP
     CHM 2046L Chemistry Fundamentals Laboratory CPP

   - or
     BSC 2010C Biology I or GEP/CPP
     BSC 2011C Biology II or CPP
     PHY 2048C Physics for Engineers & Scientists I or GEP/CPP
     PHY 2049C Physics for Engineers and Scientists II CPP

4. Core Requirements: Advanced Level (43 hrs)

   - STA 4102 Computer Processing of Statistical Data 3 hrs
   - STA 4163 Statistical Methods II 3 hrs
   - STA 4164 Statistical Methods III 3 hrs
   - STA 4321 Statistical Theory I 3 hrs
   - STA 4322 Statistical Theory II 3 hrs
   - ENC 3241 Writing for the Technical Professional 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 4500 Numerical Calculus 3 hrs

   - Select from the following courses: 4 hrs
     MAS 3105 Matrix and Linear Algebra or 4 hrs
     MAS 3106 Linear Algebra 4 hrs

   - Select from the following courses: 3 hrs
     COT 3100C Introduction to Discrete Structures or 3 hrs
     MHF 3302 Logic and Proof in Mathematics 3 hrs

   - Select from the following courses: 12 hrs
     STA 3096 Statistical Graphics or 3 hrs
     STA 4173 Biostatistical Methods or 3 hrs
     STA 4183 Theory of Interest or 3 hrs
     STA 4184 Introduction to Derivative Markets or 3 hrs
     STA 4186 Theory of Derivative Pricing or 3 hrs
     STA 4222 Sample Survey Methods or 3 hrs
     STA 4502 Nonparametric Statistical Methods or 3 hrs
     STA 4504 Categorical Data Analysis or 3 hrs
     STA 4664 Statistical Quality Control or 3 hrs
     STA 4852 Applied Time Series 3 hrs

5. Restricted Electives (6 hrs)

   - Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.
   - Select from the following:
     MAC 2233 Concepts of Calculus 3 hrs
     MAC 2253 Applied Calculus 3 hrs
     MAC 2254 Applied Calculus II 3 hrs
     MHF 4404 History of Mathematics 3 hrs
     All MAE courses

6. Capstone Requirements

   - None

7. Foreign Language Requirements

   - None

   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   - Graduation
     - None

8. Electives

   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
   - The following courses from business may be used without prior approval by the Statistics Department:
     ACG 2021 Principles of Financial Accounting 3 hrs
     ACG 2071 Principles of Managerial Accounting 3 hrs
     ECO 2023 Principles of Microeconomics 3 hrs
     FIN 3403C Business Finance 4 hrs
9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each STA course.
- Take SOA Exam P (Probability) and report the score to the department.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Mathematics Education

Certificates
- None

Related Minors
- Statistics
- Mathematics

Advising Notes
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
  - Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and still may need to be taken.
  - Biology: any 2 laboratory courses for majors with BSC, CHM, or PHY prefixes will satisfy the CPP. However, the listed biology courses are also a core requirement and will need to be taken.
  - Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program’s core and will still need to be taken.

Plan of Study (120 hrs)
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- MAC 2311C Calculus with Analytic Geometry I 13 hrs
- STA 2023 Statistical Methods I 4 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 3223 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
- 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
- Elective / Minor 3 hrs

Senior Year - Spring
- STA EXAM P (Probability) 3 hrs
- GEP 3 hrs
- Elective / Minor 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.oeas.ucf.edu/aic/academic_learning_compacts.htm

Technical Education and Industry Training (B.S.)

College of Education

Department of Educational and Human Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/

Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu,
407-325-6293

Phone: 407-823-2848

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements
- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida community college or state university)
- Have a minimum 2.5 overall GPA
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement
### Degree Requirements

- Students should consult with an Education advisor prior to registration.
- This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor's degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Component</th>
<th>Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (9 hrs)

<table>
<thead>
<tr>
<th>Component</th>
<th>Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2008 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085 Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040 Introduction to Technology for Educators</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>Component</th>
<th>Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADE 4382 Teaching Adult Learners in Technical Programs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 3062 Professional Roles of the Career &amp; Technical Teacher</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 3365 General Methods/Testing Evaluation in Career &amp; Technical Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 3367 Evaluation of Career &amp; Technical Education Instruction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECW 3564 Special Populations in Career &amp; Technical Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 4004 Principles and Practices of Technical Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 4184 Curriculum Development Techniques for Industry Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 4384 Advanced Teaching Techniques for Career Education</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTE 4410</td>
<td>Course Construction in Business Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECW 3312</td>
<td>Course Construction in Health Occupations Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECT 3371</td>
<td>Course Construction in Industrial Education</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Technical Specialization Requirements (30 hrs)

- Students must complete an area specialization through one of the following routes:
  - Occupation-specific courses
  - Recognized occupational license/registration/certification
  - Occupational examination
  - Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit. Appropriate documentation must be provided to advisor before this will be submitted for credit.

#### 5. Restricted Electives (18 hrs)

- With advisor's approval

#### Upper Division Electives (6 hrs)

- With advisor's approval

### Directed Field Experience (12 hrs)

- The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- None

### Admissions

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 48 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

### Certificates

- None

### Related Programs

- 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 Number</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Social Foundations Course</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Cultural-Historical Foundations Course</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

#### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>STA 1063C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Cultural-Historical Foundations Course</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Social Foundations Course</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### Plan of Study (120 hrs)

- None

### Undergrad Catalog 2012-2013

- 317
The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in either Acting, Stage Management, or Design & Technology. The BFA is also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

### Admission Requirements
- **Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.**
- The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at http://www.theatre.ucf.edu.
- An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See http://www.theatre.ucf.edu for details and to schedule an appointment.
- Design & Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student’s best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a prompt book for presentation at their interview. See http://www.theatre.ucf.edu
- All Acting students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design & Technology and Stage Management students must submit a resume, personal photo (formal head shot not required), three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- 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. Students are not accepted to begin in the Spring or Summer semesters.
- Co-op credit cannot be used in this major.

### Sophomore Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- Technical Specialization Course 3 hrs
- Science Foundations Course 3 hrs
- Foreign Language Course (if needed) 4 hrs

### Sophomore Year - Spring
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- Technical Specialization Course 3 hrs
- Technical Specialization Course 3 hrs
- Science Foundations Course 3 hrs
- Foreign Language Course (if needed) 4 hrs

### Sophomore Year - Summer
- ECW 3564 Special Populations in Career & Technical Education 3 hrs

### Select 1:
- ECW 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 12 hrs

### Junior Year - Spring
- ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
- ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
- Technical Specialization Courses 9 hrs

### Junior Year - Summer
- ECT 4004 Principles and Practices of Technical Education 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs

### Senior Year - Fall
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs
- Upper Division Electives 6 hrs

### Senior Year - Spring
- ECT 4941 Internship 12 hrs

### Senior Year - Summer
- See advisor for certification details.
- Program Academic Learning Compacts
  - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

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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, Bert.Scott@ucf.edu
Molly McCarter, Stage Management, molly.mccarter@ucf.edu
Phone: 407-823-2862

The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in either Acting, Stage Management, or Design & Technology. The BFA is also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible.
Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, one must be a front of house assignment, and the final one can be chosen by the student.
- Prior to graduation, all BFA Design & Technology and Stage Management majors (including transfers) must participate in at least 4 productions in addition to their Stagecraft I and II Labs. At least two participation credits must be in an advanced production position. The other two credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.
- All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department’s Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- Design & Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.
- All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- The department will accept one credit of Theatre Participation offered by Theatre Department (DAA, TPA, TPP Prefix) 1 as part of their GEP and are strongly encouraged to take ARH 2051 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

Statistics - Computers
- 3 hrs

Select a course from GEP C.2 list

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 THE 2020 Survey of Theatre for Majors  GE

TPP 2110C Acting I - Introduction or 3 hrs

TPP 2101 Fundamentals of Acting 3 hrs

Technical Theatre Production or Stagecraft I

- Acting Select Technical Theatre Production sequence.

TPA 2201L Technical Theatre Production Lab 1 hr

TPA 2201 Technical Theatre Production and 2 hrs

TPA 2290L Theatre Participation-Production I 1 hr

1 TPP 3310C Directing for Theatre I 3 hrs

Acting

- Acting specialization take Acting I. Design & Technology and Stage Management take Fundamentals of Acting

TPP 2110C Acting I - Introduction or 3 hrs

TPP 2101 Fundamentals of Acting 3 hrs

Design Basics or Elective

- Design & Technology and Stage Management select TPA 2000C. Acting Select Elective.

TPA 2000C Theatre Design Basics 3 hrs or

Theatre Elective offered by Theatre Department (DAA, THE, TPP Prefix) 3 hrs

1 See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (9 hrs)

THE 3311 Theatre History and Dramatic Literature I 3 hrs

THE 3312 Theatre History and Dramatic Literature II 3 hrs

THE 3313 Theatre History and Dramatic Literature III 3 hrs

THE 2081C Introduction to UCF Theatre 0 hrs

THE 4954 Theatre Exit Critique 0 hrs

4. Core Requirements: Advanced Level Specialization: select one area (64 hrs)

Acting Specialization 61 hrs

TPA 2248C Makeup Techniques and 2 hrs

DAA 2200C Ballet I and 2 hrs

TPP 2710C Voice Production I and 2 hrs
### UCF Degree Programs

#### Design & Technology Specialization
- **64 hrs**
  - **Select 1:** 3 hrs

#### Stage Management Specialization
- **61 hrs**
  - **Select 1:** 2 hrs

## TPA Courses
- **TPA 2600** Stage Management Basics and 3 hrs
- **TPA 4401C** Acting IV - Creating the Role and 3 hrs
- **TPA 4142C** Acting Verse and 3 hrs
- **TPA 4265C** Camera Acting and 3 hrs
- **TPA 4531C** Period Movement and 2 hrs
- **TPA 4221** Auditioning and 3 hrs
- **TPA 4223C** Theatre Careers for Performance and 3 hrs
- **TPA 2190L** Theatre Participation-Performance I and 1 hr
- **TPA 4940L** Theatre Internship and 6 hrs

### Select 1:
- **DAA 2570C** Jazz Dance I or 2 hrs
- **DAA 2100C** Modern Dance I 2 hrs

### Select 1:
- **TPA 4298L** Theatre Participation-Production II or 1 hr
- **THE 4093L** Theatre Participation-Management II or 1 hr
- **TPA 4193L** Theatre Participation-Performance II or 1 hr

#### Stage Management Specialization
- **61 hrs**
  - **TPA 2210L** Stagecraft I Lab and 1 hr
  - **TPA 2211L** Stagecraft II Lab and 1 hr
  - **1 TPA 4298L** Theatre Participation-Production II and 1 hr
  - **1 TPA 2998L** Theatre Participation-Production II and 1 hr
  - **TPA 4400** Theatre Management and 3 hrs
  - **TPA 2010C** Scenography and 3 hrs
  - **TPA 2220C** Stage Electronics and 3 hrs
  - **TPA 2500** Stage Management Basics and 3 hrs
  - **TPA 3601** Stage Management and 3 hrs
  - **TPA 4602** Advanced Stage Management and 3 hrs
  - **TPA 3195L** Summer Theatre Studio/Tech/Design I and 3 hrs
  - **TPA 3197L** Summer Theatre Studio/Tech/Design II and 3 hrs
  - **THE 4284** Period Costume, Architecture, and Decor I and 3 hrs
  - **THE 4265** Period Costume, Architecture, and Decor II and 3 hrs
  - **TPA 4401C** Theatre Careers in Production and 3 hrs
  - **TPA 2248C** Makeup Techniques 2 hrs
  - **TPA 4505C** Costume Design for Theatre I 3 hrs
  - **TPA 4061C** Costume Design for Theatre II 3 hrs
  - **TPA 4064C** Advanced Topics in Technical Theatre 3 hrs
  - **TPA 3195L** Summer Theatre Studio/Tech/Design I and 3 hrs
  - **TPA 3197L** Summer Theatre Studio/Tech/Design II and 3 hrs
  - **TPA 2600** Stage Management Basics 3 hrs
  - **TPA 3601** Stage Management 3 hrs
  - **TPA 4400** Theatre Management 3 hrs
  - **TPA 4298L** Theatre Participation-Production II 1 hr
  - **TPA 3197L** Summer Theatre Performance 3 hrs
  - **TPA 3952L** Summer Studio Performance 3 hrs
  - **THE 4284** Period Costume, Architecture, and Decor I and 3 hrs
  - **THE 4285** Period Costume, Architecture, and Decor II and 3 hrs
  - **TPP 4143C** Acting Styles 3 hrs
  - **TPP 4148C** Stage Movement and 3 hrs
  - **TPP 2190L** Theatre Participation-Performance I and 1 hr

## Design & Technology Specialization
- **64 hrs**
  - **Select 1:** 3 hrs

## Design Electives
- **(for Design and Technology Specialization)**
  - **Select three from the following:**
    - **TPA 3045C** Costume Design for Theatre I and 3 hrs
    - **TPA 4284C** Advanced Topics in Technical Theatre 3 hrs
    - **THE 4093L** Theatre Participation-Management II 1 hr
    - **THE 3240** Musical Theatre Survey 3 hrs
    - **THE 5307** Contemporary Theatre Practice 3 hrs
    - **TPA 3077C** Scene Painting 3 hrs
    - **TPA 3383C** Topics in Technical Theatre 2 hrs
    - **TPA 3060C** Scenic Design for Theatre I and 3 hrs
    - **TPA 4061C** Scenic Design for Theatre II 3 hrs
    - **TPA 3045C** Costume Design for Theatre I and 3 hrs
    - **TPA 4284C** Advanced Topics in Technical Theatre 3 hrs
    - **TPA 4251** Advanced CADD for Theatre and 2 hrs
    - **TPA 4401C** Theatre Careers in Production 3 hrs
  - **TPA 3601** Stage Management and 3 hrs
  - **TPA 4066C** Advanced Scenography and 3 hrs
  - **TPP 4940L** Theatre Internship and 6 hrs
  - **Design Electives (see list of courses) 12 hrs**

## 5. Restricted Electives
- **(except where required for a specialization - see specializations for credit hours)**
  - **Choose from the following:**
    - **THE 4093L** Theatre Participation-Management II 1 hr
    - **THE 3240** Musical Theatre Survey 3 hrs
    - **THE 5307** Contemporary Theatre Practice 3 hrs
    - **TPA 3077C** Scene Painting 3 hrs
    - **TPA 3383C** Topics in Technical Theatre 2 hrs
    - **TPA 3060C** Scenic Design for Theatre I and 3 hrs
    - **TPA 4061C** Scenic Design for Theatre II 3 hrs
    - **TPA 3045C** Costume Design for Theatre I and 3 hrs
    - **TPA 3223C** Lighting Design for Theatre I and 3 hrs
    - **TPA 3605C** Sound Design for Theatre I and 3 hrs
    - **TPA 4041C** Costume Design for Theatre II 3 hrs
    - **TPA 4224C** Lighting Design for Theatre II 3 hrs
    - **TPA 4264C** Sound Design for Theatre II 3 hrs
    - **TPA 4384C** Advanced Topics in Technical Theatre 3 hrs
    - **TPA 3195L** Summer Theatre Studio/Tech/Design I and 3 hrs
    - **TPA 3197L** Summer Theatre Studio/Tech/Design II and 3 hrs
    - **TPP 2600** Stage Management Basics 3 hrs
    - **TPP 3601** Stage Management 3 hrs
    - **TPP 3605C** Sound Design for Theatre I and 3 hrs
    - **TPP 4041C** Costume Design for Theatre II 3 hrs
  - **THE 4284** Period Costume, Architecture, and Decor I and 3 hrs
  - **THE 4285** Period Costume, Architecture, and Decor II and 3 hrs
  - **TPP 4143C** Acting Styles 3 hrs
  - **TPP 4148C** Stage Movement and 3 hrs
  - **TPP 2190L** Theatre Participation-Performance I and 1 hr

## 6. Capstone Requirements
- **None**

## 7. Foreign Language Requirements

### Admissions
- **None**

### Graduation
- **None**

### Electives
- **(variable)**

### Additional Requirements
- **None**

### Required Minors
- **None**
### 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Theatre course
- Maintain a “B” Theatre GPA (3.0) or better
- Complete an Exit Survey, Exit Interview and Audit
- Check the semester prior to final semester of theatre classes.
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF.
- Computer Competency met by STA 1060C, TPA 4250C, or a computer science course.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, 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
- Theatre
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - TPP 2300 may be substituted with: TPP 2301C
  - TP 2201 may be substituted with: TP 2210C
  - ST 2020 may be substituted with: ST 2081C
  - TPA 2210 may be substituted with: TPA 2210C
  - Stagecraft course may be substituted with: Stagecraft course
  - Or any introductory Theatre Directing course.

### Plan of Study
- None

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/aoc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aoc/academic_learning_compacts.htm)

### Equipment Fees
- None
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Theatre - Musical Theatre Track (B.F.A.)

**College of Arts and Humanities**

**Department of Theatre, Performing Arts Center, Room: 210A**


Earl Weaver, Earl.Weaver@ucf.edu

Phone: 407-823-2862

The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

### Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at [http://www.theatre.ucf.edu/](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, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/ interview. Scholarship decisions are usually finalized in August.
- The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UC theatre production.
UCF Degree Programs

- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program.
- Continuation in the BFA program requires a positive annual BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op cannot be used in this major.
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.
- All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- All BFA Theatre majors who participate in production work must register for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
   Required THE 2020 Survey of Theatre for Majors GEP 3 hrs
   Select one course from 1.B.1 list 3 hrs
   Select one course from 1.B.1 or 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
   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 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
   1 THE 2304 Script Analysis 3 hrs
   THE 2090L Theatre Participation-Management I 1 hr
   TPA 2290L Theatre Participation-Production I 1 hr
   1 TPP 2201 Technical Theatre Production 2 hrs
   TPA 2201L Technical Theatre Production Lab 1 hr
   1 TPP 3310C Directing for Theatre I 3 hrs
   TPP 2110C Acting I - Introduction 3 hrs
   TPP 2170C Acting II - The Actor Prepares 3 hrs
   Theatre Elective (THE, TPA prefix) 3 hrs

   1 See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (20 hrs)
   MUT 1121 Music Theory and Musicianship I 4 hrs
   MUT 1122 Music Theory and Musicianship II 4 hrs
   DAA 2200C Ballet I 2 hrs
   DAA 2210C Ballet II 2 hrs
   DAA 2570C Jazz Dance I 2 hrs
   DAA 2571C Jazz Dance II 2 hrs
   DAA 2520C Tap Dance I 2 hrs
   TPA 2248C Makeup Techniques 2 hrs
   THE 2081C Introduction to UCF Theatre 0 hrs

4. Core Requirements: Advanced Level (50 hrs)
   TPF 3173C Acting III - Building the Character 3 hrs
   TPF 4190C Acting IV - Creating the Role 3 hrs
   TPF 3251C Musical Theatre Acting I 3 hrs
   TPF 3252C Musical Theatre Acting II 3 hrs
   THE 2244 Musical Theatre History I 3 hrs
   THE 2245 Musical Theatre History II 3 hrs
   THE 3311 Theatre History and Dramatic Literature I 3 hrs
   THE 3312 Theatre History and Dramatic Literature II 3 hrs
   TPP 3257C Musical Theatre Voice I 2 hrs
   TPP 3258C Musical Theatre Voice II 2 hrs
   TPP 4259C Musical Theatre Voice III 2 hrs
   TPP 4293C Musical Theatre Voice IV 2 hrs
   1 TPF 4746C Musical Theatre Repertoire 2 hrs
   TPF 4940L Theatre Internship 6 hrs
   TPF 4253C Musical Theatre Acting III 3 hrs
   TPF 4223C Theatre Careers for Performance 3 hrs
   THE 4954 Theatre Exit Critique 0 hrs

Select 1:
   2 hrs
   - (1 credit course, must be taken twice)
   TPA 4298L Theatre Participation-Production II or 1 hr
   THE 4093L Theatre Participation-Management II or 1 hr
   TPF 4193L Theatre Participation-Performance II 1 hr

1 (2 hr class must be taken twice)

Movement Electives 2 hrs
   - Any DAA or DAN courses not already required, taught
     by the department, and with departmental approval.

Select 1:
   2 hrs
   - TPP 4531C Period Movement or 2 hrs
   TPP 4512C Stage Combat 2 hrs
5. Restricted Electives  
- Chosen from the following  
  - Deng 3134 Dance History I 3 hrs  
  - Dan 3612 Dance Improvisation/Composition I 3 hrs  
  - Dan 2100C Modern Dance I 2 hrs  
  - Dan 3684 Dance Performance 1 hr  
  - Dan 2521C Tap Dance II 2 hrs  
  - Dan 3524C Tap Dance III 2 hrs  
  - Dan 3283C Ballet III 2 hrs  
  - Dan 2101C Modern Dance II 2 hrs  
  - Dan 3108C Modern Dance III 2 hrs  
  - Dan 3393C World Dance 2 hrs  
  - Dan 3645 Choreography Practicum 2 hrs  
  - TPP 4730C Dialogues 2 hrs  
  - TPP 4142C Acting Verse 3 hrs  
  - TPP 4265C Camera Acting 3 hrs  
  - TPP 4266C Acting II Advanced Acting For TV/Film 3 hrs  
  - THE 4230 Cultural Diversity in Theater 3 hrs  
  1 THE 5307 Contemporary Theatre Practice 3 hrs  
  - TPA 3195L Summer Theatre Studio/Design I 3 hrs  
  - TPA 3197L Summer Theatre Studio/Design II 3 hrs  
  - TPA 3197L Summer Theatre/Performance 3 hrs  
  - TPA 3552L Summer Studio Performance 3 hrs  
  - TPP 4143C Acting Styles 3 hrs  
  - 1 TPA 2600 Stage Management Basics 3 hrs  
  - TPA 4400 Theatre Management 3 hrs  
  - THE 4284 Period Costume, Architecture, and Decor I 3 hrs  
  - THE 4285 Period Costume, Architecture, and Decor II 3 hrs  
  - TPP 4221 Auditioning 3 hrs  
  - THE 3313 Theatre History and Dramatic Literature III 3 hrs  
  1 TPP 4311C Advanced Directing for Theatre 3 hrs  
  - THE 4093L Theatre Participation-Management 1 hr  
  - TPA 4298L Theatre Participation-Production II 1 hr  
  - TPP 4193L Theatre Participation-Performance II 1 hr  
  - TPA 3601 Stage Management 3 hrs  
  - TPP 4512C Stage Combat 2 hrs  
  - TPP 4243C Circus Arts 2 hrs  
  - THE 4423 Women in Theatre 3 hrs  
  - THE 4543 Theatre for Social Change 3 hrs  
  - THE 4212 Global Theatre 3 hrs  
  - THE 3383 Taboo Theatre: Sex & Violence on Stage 3 hrs  
  - THE 3250 Sex, Drugs, & the Rock and Roll Musical 3 hrs  
  Honors in the Major Directed Readings and Thesis 3-6 hrs  
  - THE 4912 Undergraduate Research (see #1 footnote) 3-6 hrs  
  - THE 3905 Independent Study (see #1 footnote) 1-9 hrs  

1 Other THE, TPA, TPP, DAA or DAN courses not already required and as approved by the department requires instructor and departmental approval in advance.

6. Capstone Requirements  
- None

7. Foreign Language Requirements  
Admissions  
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation  
- None

8. Electives  
- (variable)

9. Additional Requirements  
- None

10. Required Minors  
- None

11. Departmental Exit Requirements  
- Earn a grade of “C” (2.0) or better in each Theatre course  
- Maintain a “B” Theatre GPA (3.0) or better  
- Complete an Exit Survey, Exit Interview, and Audit

Check the semester prior to final semester of theatre classes  
- Minimum of 60 theatre credits must be completed in residency at UCF  
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.  
- Computer Competency met by STA 1060C or a computer science course.

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted  
- Complete the General Education Program, the Gordon Rule, 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 community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.

Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses  
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:  
  1 THE 2020 Survey of Theatre for Majors 3 hrs  
  may be substituted with:  
  - THE 2020 Survey of Theatre for Majors 3 hrs  
  may be substituted with:  
  - THE 2303 Technical Theatre Production 2 hrs  
  may be substituted with:  
  - TPA 2201 Technical Theatre Production 2 hrs  
  may be substituted with:  
  - TPA 2210 Technical Theatre Production 2 hrs  
  1 may use any introductory course. However, THE 2020 is a prerequisite for all theatre courses and may still need to be taken.

Plan of Study  
- None

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees  
- Part-Time Student: $45 per term  
- Full-Time Student: $90 per term
Admission Requirements
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit http://www.theatre.ucf.edu.
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at your interview appointment. Scholarship decisions are usually finalized in August.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from the program.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor each semester before registering. Students who do not consult with their 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 "D" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required THE 2025 Survey of Theatre for Majors
   Select one course from 1.B.1 list
   Select one course from 1.B.2 list
   C: Mathematical Foundations (6 hrs)
   Math:
   Suggested MGF 1106 Finite Mathematics or
   Suggested MGF 1107 Explorations in Mathematics or
   You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers
Select a course from GEP C.2 list

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (10 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
   THE 2081C Introduction to UCF Theatre
   THE 4954 Theatre Exit Critique

Select 1:
TPA 4298L Theatre Participation-Production II or
TPA 4093L Theatre Participation-Management II or
TPP 4193L Theatre Participation-Performance II or

5. Restricted Electives (16 hrs)
   - Select 16 hours from the following:
     THE 2350 Cultural Diversity in Theater
     THE 3062 Theatre Careers
     TPA 4143C Acting Styles
     TPA 3264C Acting on Camera
     THE 2025 Introduction to Theatrical Design
     THE 3240 Musical Theatre Survey
     TPA 4093L Theatre Participation-Management II or
     TPA 4298L Theatre Participation-Production II or
     TPA 4193L Theatre Participation-Performance II or
     THE 5307 Contemporary Theatre Practice
     TPA 2248C Makeup Techniques
     THE 4284 Period Costume, Architecture, and Decor I
     THE 4285 Period Costume, Architecture, and Decor II
     TPA 3195L Summer Theatre Studio/Design I
     TPA 3197L Summer Theatre Studio/Design II
     TPA 2600 Stage Management Basics
TPA 4400  Theatre Management  3 hrs
TPP 3197L Summer Theatre/Performance  3 hrs
TPP 3952L Summer Studio Performance  3 hrs
TPP 4311C Advanced Directing for Theatre  3 hrs
TPA 3601  Stage Management  3 hrs
TPP 4243C Circus Arts  2 hrs
THE 4912 Directed Independent Research  1 hr
TPP 4512C Stage Combat  2 hrs
THE 4423 Women in Theatre  3 hrs
THE 4543 Theatre for Social Change  3 hrs
THE 4212 Global Theatre  3 hrs
THE 3383 Taboo Theatre: Sex & Violence on Stage  3 hrs
THE 3250  Sex, Drugs, & the Rock and Roll Musical  3 hrs
Any DAA or DAN courses taught by the theatre department with departmental approval  2 hrs
Honors in the Major Directed Readings and Thesis (see #1 footnote)  3 hrs

1 Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance.

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Theater Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor.

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Theatre course.
- Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
- Complete an Exit Survey, and Exit Interview/Audit Check the semester prior to final semester of theatre classes.
- Minimum of 30 theatre credits must be completed in residency at UCF.
- Computer Competency met by the following or Computer Science Course:
  STA 1063C Basic Statistics Using Microsoft Excel  3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 120

Honors in Major
- None
MINORS AND CERTIFICATES

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the online “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

Minors

Accounting
Actuarial Science
Aerospace Studies
African American Studies
Aging Studies
American Studies
Anthropology
Anthropology in Multicultural Studies
Art - Studio
Art History
Asian Studies
Astronomy
Bioengineering
Biology
Biomedical Sciences
Business
Chemistry
Coaching
Cognitive Sciences
Communication Sciences and Disorders
Community Arts - PAVE
Computer Science
Crime, Law, and Deviance
Criminal Justice
Dance
Digital Media
Diplomacy
Diversity and Social Inequality
Early Childhood Development and Education
Economic Policy
Economics
Education
Emergency Management and Homeland Security
Energy and Sustainability Engineering Leadership
English - Creative Writing
English - Linguistics
English - Literature
English - Technical Communication
English Language Arts Education
Entrepreneurship
Environmental Studies
European Studies
Exceptional Student Education
Film - Cinema Studies
Finance
Fitness Training
Foreign Language Education
French
Health Informatics
Health Sciences
Health Services Administration
History
Hospitality Management
Humanities
Information Technology
Intelligent Robotic Systems
International and Global Studies
International Business
International Engineering
Interpersonal/Organizational Communication
Italian
Journalism Studies
Judaic Studies
Latin American Area Studies
Leadership Studies
Legal Studies
Magazine Journalism
Marketing
Mass Communication
Mass Culture and Collective Behavior
Mathematical Biology
Mathematics
Mathematics Education
Medical Anthropology
Medical Sociology
Medieval and Renaissance Studies
Middle Eastern Studies
Military Science
Music
Nonprofit Management/National Certification Program in Nonprofit Management
North American Indian Studies
Performing Arts Administration
Philosophy
Philosophy, Religion and Popular Culture
Physics
Political Science
Political Science/Prelaw
Psychology
Public Administration
Real Estate
Recreation
Religious Studies
Science Education
Secure Computing and Networks
Social Science Education
Sociology
Spanish
Sport Business Management
Statistics
Technical Education and Industry Training
Technological Entrepreneurship
Theatre
Urban and Regional Planning
Women’s Studies
World Comparative Studies
Writing and Rhetoric

Certificates

Aging Studies Certificate
Behavioral Forensics Certificate
Children’s Services Certificate
Crime Analysis and Crime Mapping Certificate
Crime Scene Investigation Certificate
Criminal Profiling Certificate
Cultural Tourism Certificate
Diplomacy Certificate
Educational Studies Certificate
Finance: Banking Certificate
Finance: Corporate Finance Certificate
Finance: Investments Certificate
Judaic Studies Certificate
Language Development and Disorders Certificate
Leadership Studies Certificate
Marketing: e-Marketing Certificate
Marketing: Entertainment Marketing Certificate
Marketing: Healthcare Marketing Certificate
Marketing: Retailing Management Certificate
Marketing: Selling and Sales Management Certificate
Marketing: Services Marketing Certificate
Marketing: Sport Marketing Management Certificate
Nonprofit Management Certificate
Public and Professional Writing Certificate
Real Estate: Mortgage Brokerage Certificate
Real Estate: Real Estate Appraisal Certificate
Real Estate: Real Estate Brokerage Certificate
Security Management Certificate
Service-Learning Certificate
Substitute Teaching Certificate
Teaching English as a Foreign Language Certificate
Translation and Interpretation Certificate
Victim Advocacy Certificate
Women’s Studies Certificate

Additional UCF Programs

Study Abroad Programs:

Argentina
Australia
Bahamas
Botswana
Brazil
China
Costa Rica
Czech Republic
Ecuador
France
Germany
Honduras
Japan
Italy
Lithuania
Netherlands
Peru
Panama
Poland
Russia
South Africa
Spain
Sweden
UK

UNIVERSITY OF CENTRAL FLORIDA
326 Undergraduate Catalog 2012-2013
### Accounting - Minor

**College of Business Administration**  
Kenneth G. Dixon School of Accounting,  
Business Administration II, Room: 101  
Phone: 407-823-2184

For Business and Non-Business Majors.

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (9 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs  
- ACG 2071 Principles of Managerial Accounting 3 hrs  
- ACG 3131 Intermediate Financial Accounting I 3 hrs

#### Restricted Electives (12 hrs)
Select 4:
- At least three courses must have either an ACG or TAX prefix
- ACG 3361 Cost Accounting I 3 hrs  
- ACG 3141 Intermediate Financial Accounting II 3 hrs  
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs  
- ACG 4401C Accounting Information Systems 3 hrs  
- ACG 4651 Auditing 3 hrs  
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs  
- FIN 3414 Intermediate Corporate Finance 3 hrs  
- FIN 4453 Financial Models 3 hrs

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 21

#### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the Department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

#### Actuarial Science - Minor

**College of Sciences**  
Department of Statistics,  
Computer Center II, Room: 212  
Dr. David Nickerson, david.nickerson@ucf.edu, 407-823-5528

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

#### Minor Admission Requirements
- Students need to complete the prerequisite courses.

#### Minor Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

#### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
- Students are expected to have completed some of the following courses as part of their GEP requirement.
  - ECO 2013 Principles of Microeconomics 3 hrs  
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs  
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs  
  - STA 2023 Statistical Methods I 3 hrs  
  - STA 4183 Theory of Interest 3 hrs  
  - STA 4184 Introduction to Derivative Markets 3 hrs  
  - STA 4852 Applied Time Series 3 hrs

#### Required Courses (25 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs  
- ACG 2071 Principles of Managerial Accounting 3 hrs  
- ECO 2023 Principles of Microeconomics 3 hrs  
- FIN 3403C Business Finance 4 hrs  
- STA 4164 Statistical Methods III 3 hrs  
- STA 4186 Theory of Derivative Pricing 3 hrs  
- STA 4852 Applied Time Series 3 hrs

#### Restricted Electives
- No additional courses are required.

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 25

#### Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Any course substitutions must be approved by the program coordinator in advance of their being taken.

#### Aerospace Studies - Minor

**College of Engineering and Computer Science**  
Air Force ROTC, ROTC Trailer, Room: 103  
Col. Michael J. Chandler  
Phone: 407-823-1247

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

#### Required Courses (16 hrs)
- AFR 1101C The Air Force Today I 1 hr  
- AFR 1111C The Air Force Today II 1 hr  
- AFR 2130C The Development of Air Power I 1 hr  
- AFR 2131C The Development of Air Power II 1 hr  
- AFR 3220C Air Force Leadership and Management I 3 hrs  
- AFR 3230C Air Force Evaluation and Management II 3 hrs  
- AFR 4201C National Security Affairs and Prep for Active Duty I 3 hrs  
- AFR 4210C National Security Affairs and Prep for Active Duty II 3 hrs

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Minors

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 16

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades 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.

African-American Studies - Minor

College of Arts and Humanities
Program in African American Studies,
Colbourn Hall, Room: 110
http://www.aas.cah.ucf.edu/
Anthony Major, anthony.major@ucf.edu, 407-823-0026

The African American Studies minor is designed to complement a student’s major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- AFA 3104 The Black Intellectual Experience 3 hrs
- AFA 3102 Black Perspectives: A Multidisciplinary Approach 3 hrs

Restricted Electives (12 hrs)
- Additional courses may be used only with the prior permission of the program Director.
- AFA 2300 African American Music 3 hrs
- AFA 3371 Evolution of Hip Hop 3 hrs
- AFA 3420 Malcolm X, Black Nationalism, and Internationalism 3 hrs
- AFA 3955 Study Abroad in Eastern Caribbean 6 hrs
- AFA 4105 Documenting African American Heritage and Life 3 hrs
- AFH 3100 African History to 1870 3 hrs
- AFH 3200 African History Since 1870 3 hrs
- AFH 5806 The Historiography of Slavery in Africa 3 hrs
- AMH 3403 History of the South Since 1865 3 hrs
- AMH 3571 Black American History I 3 hrs
- AMH 3572 Black American History II 3 hrs
- AML 3614 Topics in African-American Literature 3 hrs
- AML 3615 Harlem, Haiti and Havana 3 hrs
- ANT 3319 Anthropology of Diaspora 3 hrs
- ANT 3398 Black/Seminole Relations 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ANT 4352 African Societies and Cultures 3 hrs
- ARH 3520 African Art 3 hrs
- INR 3253 International Politics of Africa 3 hrs
- FIL 3831 Black Cinema 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAS 4023 African Caribbean Experience 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- PHI 3790 African Philosophy 3 hrs
- PHP 3781 African-American Philosophy 3 hrs
- POS 4622 Politics and Civil Rights 3 hrs
- PUP 3214 Minorities in American Politics 3 hrs
- SOP 3724 Psychology of Prejudice 3 hrs
- SYD 3700 Race and Ethnicity 3 hrs
- WST 3460 Women, Race and Struggle 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

Aging Studies - Minor

College of Health and Public Affairs
School of Social Work,
Health and Public Affairs, Room: 204
Email: socialwk@ucf.edu

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Minor Admission Requirements
- None

Minor Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
- None

Required Courses (6 hrs)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs
- Select One:
  - HSA 4941 Internship 3 hrs
  - PSY 3951 Undergraduate Field Work 3 hrs
  - SYP 4941 Internship 3 hrs
  - 1 SOW 4510 Field Education 9 hrs
  - 2 SOW 4941 Internship 9 hrs

Restricted Electives (12 hrs)
- Students select FOUR additional courses from the following courses: A maximum of TWO courses in their College must be taken and at least TWO courses must be outside their college.

College of Health and Public Affairs

HSA 4220 Long Term Patient Management 3 hrs
HSA 4222 Long Term Care and Administration 3 hrs
HSC 4564 Health Care Needs of the Elderly 3 hrs
American Studies - Minor
College of Arts and Humanities
CAH Dean’s Office, Room: 490
http://www.cah.ucf.edu/

Lynn Hepner, lhepner@ucf.edu
Phone: 407-823-2251

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
(9 hrs)
Select 1:
- AML 3031 American Literature I or 3 hrs
- AML 4101 American Novel or 3 hrs
- AML 4261 Literature of the South or 3 hrs
- AML 3682 Ethnic Literature in America 3 hrs

Literature and Humanities
3 hrs

Select 1:
- POS 3413 The American Presidency or 3 hrs
- POT 3284 American Political Thought or 3 hrs
- SYD 3700 Race and Ethnicity or 3 hrs
- SYP 3630 Popular Culture in Society 3 hrs

Social Sciences
3 hrs

History
3 hrs
Select 1:
- ANH 3561 Women in American History I or 3 hrs
- ANH 4110 Colonial America, 1607-1763 or 3 hrs
- ANH 4130 The Age of the American Revolution, 1763-1789 or 3 hrs
- AMH 4311 American Culture I or 3 hrs
- AMH 4313 American Culture II 3 hrs

Restricted Electives
(12 hrs)
- 12 additional upper level hours. Select courses not already used from lists above.

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least eighteen credit hours must be earned in upper level credits.

Minors

At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 9 hours may be taken in one area.

Anthropology - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthropology@ucf.edu

Dr. Arlen Chase
Phone: 407-823-2227

The Anthropology minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

Minor Admission Requirements
- The minor is not open to Anthropology majors.

Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
(3 hrs)
ANT 2000 General Anthropology 3 hrs

Restricted Electives
(15 hrs)
A. Concentration in General Anthropology
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- ANT 2410 Cultural Anthropology 3 hrs
- ANT 2511 The Human Species 3 hrs
- Select additional upper level (3000-5999) Anthropology courses 6 hrs

B. Concentration in Archaeology
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs

Complete at least four of the following 12 hrs courses:
- ANT 3106 Archaeology and Popular Culture or 3 hrs
- ANT 3115 Archaeological Method and Theory or 3 hrs
- ANT 3142 Old World Prehistory or 3 hrs
- ANT 3145 Archaeology of Complex Societies or 3 hrs
- ANT 3148 Life and Death in Ancient Egypt or 3 hrs
- ANT 3152 Indians of the Southwest or 3 hrs
- ANT 3158 Florida Archaeology or 3 hrs
- ANT 3160 Americas Before Columbus or 3 hrs
- ANT 3161 Archaeology of Mexico or 3 hrs
- ANT 3163 Mesoamerican Archaeology or 3 hrs
- ANT 3164 Ancient Incas or 3 hrs
- ANT 3165 Archaeology of South America or 3 hrs
- ANT 3168 Maya Archaeology or 3 hrs
- ANT 3173 Archaeology of Sex or 3 hrs
- ANT 3177 Archaeology of Caribbean Piracy or 3 hrs
- ANT 4153 North American Archaeology or 3 hrs
- ANT 4180C Seminar in Laboratory Analysis or 3 hrs
- 1 ANT 4183 Archaeological Sciences or 3 hrs
- 1 ANT 4184 Mortuary Archaeology or 3 hrs
- ANT 4824 Advanced Archaeological Fieldwork or 3 hrs
- ANG 5165 Problems in Maya Studies or 3 hrs
- ANG 5167 Maya Hieroglyphs or 3 hrs
- ANG 5228 Maya Iconography or 3 hrs
- ANG 5822 Maya Field Research 3 hrs

1 or its graduate equivalent.

C. Concentration in Physical Anthropology
- ANT 2511 The Human Species 3 hrs
Minors

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Select from the following courses;  12 hrs
ANT 3148  Life and Death in Ancient Egypt or  3 hrs
ANT 3541  Biobehavioral Anthropology or  3 hrs
ANT 3550C  Primatology or  3 hrs
ANT 4183  Archaeological Sciences or  3 hrs
1 ANT 4184  Mortuary Archaeology or  3 hrs
ANT 4462  Medical Anthropology or  3 hrs
1 ANT 4467  Nutritional Anthropology or  3 hrs
ANT 4516  Human Biological Diversity or  3 hrs
ANT 4521  Forensic Anthropology or  3 hrs
ANT 4525C  Human Osteology or  4 hrs
ANT 4560  Anthropological Perspectives on Human Growth or  3 hrs
ANT 4586C  Human Origins or  3 hrs
ANG 5742  Problems in Forensic Anthropology  3 hrs
1 or its graduate equivalent.

D. Concentration in Cultural Anthropology  15 hrs
ANT 2410  Cultural Anthropology  3 hrs
Select from the following courses;  12 hrs
ANT 3152  Indians of the Southwest or  3 hrs
ANT 3164  Ancient Incas or  3 hrs
ANT 3212  Peoples of the World or  3 hrs
ANT 3241  Magic, Ritual, and Belief or  3 hrs
ANT 3245  Native American Religions or  3 hrs
ANT 3262  Rural Society or  3 hrs
ANT 3273  Law and Culture or  3 hrs
ANT 3302  Sex, Gender and Culture or  3 hrs
ANT 3311  Indians of the Southeastern United States or  3 hrs
ANT 3312  Ethnology of North American Indians or  3 hrs
ANT 3313  Indians of North America High Plains or  3 hrs
ANT 3398  Black/Seminoles Relations or  3 hrs
1 ANT 4332  Anthropology of Tourism or  3 hrs
ANT 4000  General Anthropology or  3 hrs
1 ANT 4303  Culture, Disease, and Healing or  3 hrs
ANT 4702  Culture, Power and Development or  3 hrs
ANT 3319  Anthropology of Diaspora or  3 hrs
ANT 4034  History of Anthropological Thought or  3 hrs
ANT 4266  Economic Anthropology: Production, Consumption, and Exchange or  3 hrs
ANT 4352  African Societies and Cultures or  3 hrs
ANT 4408  Culture, Disease, and Healing or  3 hrs
ANG 5167  Maya Hieroglyphs or  3 hrs
ANG 5228  Maya Iconography or  3 hrs
ANG 5622  Language, Culture and Pedagogy  3 hrs
1 or its graduate equivalent.

Minor Admission Requirements
■ None

Minor Requirements
■ Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses  (3 hrs)
Select from;  3 hrs
ANT 2000  General Anthropology or  3 hrs
ANT 2410  Cultural Anthropology  3 hrs

Restricted Electives  (15 hrs)
■ Select from the following. Substitutions require prior consent of the Anthropology Coordinator.
ANT 3164  Ancient Incas  3 hrs
ANT 3241  Magic, Ritual, and Belief  3 hrs
ANT 3245  Native American Religions  3 hrs
ANT 3302  Sex, Gender and Culture  3 hrs
ANT 3312  Ethnology of North American Indians  3 hrs
ANT 3319  Anthropology of Diaspora  3 hrs
ANT 3398  Black/Seminoles Relations  3 hrs
ANT 3451  Biobehavioral Anthropology  3 hrs
1 ANT 3610  Language and Culture  3 hrs
ANT 3701  Applied Anthropology  3 hrs
ANT 4266  Economic Anthropology: Production, Consumption, and Exchange  3 hrs
1 ANT 4303  Anthropology of Tourism  3 hrs
1 ANT 4332  People and Cultures of Latin America  3 hrs
1 ANT 4340  Caribbean Cultures  3 hrs
ANT 4408  Culture, Disease, and Healing  3 hrs
1 ANT 4467  Nutritional Anthropology  3 hrs
ANT 4516  Human Biological Diversity  3 hrs
1 ANT 4702  Culture, Power and Development  3 hrs
SYD 3700  Race and Ethnicity  3 hrs
1 or its graduate equivalent, but not both.

Foreign Language Requirements
■ None

Total Semester Hours Required  18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Not open to Anthropology majors.

Art - Studio - Minor
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Phone: 407-823-2676

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses  (18 hrs)
ARH 2050  History of Western Art I  3 hrs
ARH 2051  History of Western Art II  3 hrs
ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
ART 2300C  Drawing Fundamentals I  3 hrs
ART 2301C  Drawing Fundamentals II  3 hrs
ART 3950  Portfolio Review  0 hrs

Restricted Electives  (6 hrs)
■ Six semester hours of studio art in one area of specialization at the 3000-4000 level

1 or its graduate equivalent.
Minors

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 a single area of specialization in the School of Visual Arts and Design.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least fifteen hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Art History - 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

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- ARH 2050 - History of Western Art I (3 hrs)
- ARH 2051 - History of Western Art II (3 hrs)
- ARH 4310 - Italian Renaissance Art (3 hrs)
- ARH 4430 - 19th Century Art (3 hrs)
- ARH 4450 - 20th Century Art (3 hrs)

Non-Western/Ancient Course Requirement
- Select 1: 3 hrs
  - ARH 3520 - African Art or 3 hrs
  - 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 (3 hrs)

Restricted Electives (9 hrs)
- ARH 4200 - Medieval Art 3 hrs
- ARH 4350 - Baroque Art 3 hrs
- ARH 4800 - Theory and Criticism of the Visual Arts 3 hrs
- ARH 4871 - Women in Art 3 hrs

Foreign Language Requirements
- None

6 Hours of electives
- Two additional ARH 3XXX-4XXX courses

Total Semester Hours Required
- 27

Astronomy - Minor
College of Sciences
Department of Physics, Physical Sciences, Room: 430
Email: physics@ucf.edu
Dr. Humberto Campins
Phone: 407-823-2325

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 3 hrs

Restricted Electives (18 hrs)
- Approved courses (see department for listing)

Foreign Language Requirements
- One year or the equivalent proficiency examination (0-8 hrs). Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g. Chinese, Japanese).

Total Semester Hours Required
- 21

Astronomy Minor Admission Requirements
- None

Astronomy Minor Requirements
- The minor is not open to Physics majors with an Astronomy specialization.

Astronomy Minor Prerequisite Courses
- None

Astronomy Minor Required Courses (3 hrs)
- HUM 3401 - Asian Humanities 3 hrs

Astronomy Minor Restricted Electives (18 hrs)
- Approved courses (see department for listing)

Astronomy Minor Foreign Language Requirements
- None

Astronomy Minor Other Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least fifteen hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

Asian Studies - Minor
College of Arts and Humanities
http://www.cah.ucf.edu/
Dr. Paul Giordano, 407-823-2472

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- HUM 3401 - Asian Humanities 3 hrs

Restricted Electives (18 hrs)
- Approved courses (see department for listing)

Foreign Language Requirements
- One year or the equivalent proficiency examination (0-8 hrs). Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g. Chinese, Japanese).

Total Semester Hours Required
- 21

Asian Studies Minor Admission Requirements
- None

Asian Studies Minor Requirements
- None

Asian Studies Minor Prerequisite Courses
- None

Asian Studies Minor Required Courses (3 hrs)
- HUM 3401 - Asian Humanities 3 hrs

Asian Studies Minor Restricted Electives (18 hrs)
- Approved courses (see department for listing)

Asian Studies Minor Foreign Language Requirements
- None

Asian Studies Minor Other Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least fifteen hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.
## Minors

### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

### Required Courses (20 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>AST 3110</td>
<td>Solar System Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3211</td>
<td>Stellar Astrophysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3402</td>
<td>Galaxies and Cosmology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3722C</td>
<td>Techniques of Observational Astronomy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Required Courses (35 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 20

### Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### Bioengineering - Minor

#### College of Engineering and Computer Science

**Engineering, Room: 107**

[http://www.cecs.ucf.edu/minors/bioengineering](http://www.cecs.ucf.edu/minors/bioengineering)

Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-2778

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 range of the medical arena in research and development. Candidates completing this minor will also satisfy the requirements for the UCF Medical School.

#### Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school un-weighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (35 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course 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>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- EMA 5584 Biomedical or 3 hrs
- EML 5760 Biofluid Mechanics or 3 hrs
- EEE 5272 Biomedical Sensors or 3 hrs
- EES 4111C Biological Process Control or 3 hrs
- EIN 5246C Ergonomics or 3 hrs

**Select 2:**

- EXS 4105 Medical Imaging or 3 hrs
- ECE 4403 Biomedical Signal Processing or 3 hrs
- ECE 4408 Biomedical Image Processing or 3 hrs
- ECE 4416 Biomedical Instrumentation or 3 hrs
- ECE 4426 Biomedical Data Analysis or 3 hrs
- ECE 4427 Biomedical Control or 3 hrs
- ESE 4249 Biomedical Optics or 3 hrs
- ESE 4329 Biomedical Sensors or 3 hrs

**Select 3:**

- EEE 4104 Neural Engineering or 3 hrs
- EEE 4109 Neurotechnology or 3 hrs
- EEE 4111 Epilepsy or 3 hrs
- EEE 4118 Neurobiological Spectroscopy or 3 hrs
- EEE 4122 Neuroimaging or 3 hrs
- EEE 4123 Neurotechnology or 3 hrs
- EEE 4124 Brain-Computer Interfaces or 3 hrs

**Select 4:**

- EEE 4104 Neural Engineering or 3 hrs
- EEE 4109 Neurotechnology or 3 hrs
- EEE 4111 Epilepsy or 3 hrs
- EEE 4118 Neurobiological Spectroscopy or 3 hrs
- EEE 4122 Neuroimaging or 3 hrs
- EEE 4123 Neurotechnology or 3 hrs
- EEE 4124 Brain-Computer Interfaces or 3 hrs

**Select 5:**

- EEE 4104 Neural Engineering or 3 hrs
- EEE 4109 Neurotechnology or 3 hrs
- EEE 4111 Epilepsy or 3 hrs
- EEE 4118 Neurobiological Spectroscopy or 3 hrs
- EEE 4122 Neuroimaging or 3 hrs
- EEE 4123 Neurotechnology or 3 hrs
- EEE 4124 Brain-Computer Interfaces or 3 hrs

**Select 6:**

- EEE 4104 Neural Engineering or 3 hrs
- EEE 4109 Neurotechnology or 3 hrs
- EEE 4111 Epilepsy or 3 hrs
- EEE 4118 Neurobiological Spectroscopy or 3 hrs
- EEE 4122 Neuroimaging or 3 hrs
- EEE 4123 Neurotechnology or 3 hrs
- EEE 4124 Brain-Computer Interfaces or 3 hrs

### Computer Science Track

**Select 1:**

- CAP 5512 Evolutionary Computation or 3 hrs
- CHM 3101 Introduction to Chemistry or 3 hrs
- MCB 3011C General Microbiology or 3 hrs
- PCB 3522 Molecular Biology I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- ZOO 3744 Neurobiology or 3 hrs
- PCB 3063 Genetics or 3 hrs

**Select 2:**

- EML 5760 Biofluid Mechanics or 3 hrs
- EEE 5272 Biomedical Sensors or 3 hrs
- EES 4111C Biological Process Control or 3 hrs
- EIN 5246C Ergonomics or 3 hrs

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 41

### Other Requirements
- Open only to engineering and computer science majors.
- A grade of “B” (3.0) or better is required in each course used to satisfy the minor.
- The Bachelors of Science must be completed in order for the minor to be awarded.

### Biology - Minor

#### College of Sciences

**Department of Biology, Biology, Room: 301**

[http://www.cos.ucf.edu/biology](http://www.cos.ucf.edu/biology)

**Email:** biology@ucf.edu

Frank Logiudice

Phone: 407-823-2141

**Minor Admission Requirements**

- The minor is not open to Biology or Biology Preprofessional majors.

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Biology.
Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (31 hrs)
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

or, depending on Chemistry Placement score 6 hrs
- CHM 2040 Chemistry Fundamentals IA 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs

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
11, Room: 335
http://www.biomed.ucf.edu
Email: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (23 hrs)
- BSC 2010C Biology I 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

Select 1:
- PCB 3233 Immunology or 3 hrs
- PCB 4280 Molecular Immunology 3 hrs

Total Semester Hours Required 31

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the College of Business.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Chemistry - Minor

College of Sciences
Department of Chemistry, Physical Sciences
http://www.cos.ucf.edu/chemistry
Email: chemistry@ucf.edu
Dr. Pedro Patino, pedro.patino@ucf.edu

Minor Admission Requirements
- The minor is not open to Chemistry majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the department of Chemistry, with a minimum GPA of 2.0.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (20 hrs)
- CHM 2045C Chemistry Fundamentals I 4 hrs
- or 6 hrs
- CHM 2040 Chemistry Fundamentals IA 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
Minors

Required Courses (15 hrs)

- and
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr

Prerequisite Courses

- None

Minor Admission Requirements

- 2.5 GPA

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
- PET 4763 Coaching Methods And Principles 3 hrs
- SPM 3204 Sports and Ethics 3 hrs

Select 1: 3 hrs
- PEO 3624 Coaching Basketball or 3 hrs
- PEO 3644 Coaching Football or 3 hrs
- PEO 3324 Coaching Volleyball 3 hrs

Restricted Electives (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 Biocatalytic Methods 2 hrs
- CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 3215L Organische Laboratory Techniques II 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 5451C Techniques in Polymer Science 3 hrs

Group II:

- BCH 4033 Biochemistry I 3 hrs
- BCH 4055 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

- 18

Other Requirements

- An overall GPA of 2.5 is required to satisfy the minor.
- No grades below “C” (2.0) and no “S” grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No TSD or Military credit may be used.
- Internship or Independent Study credit cannot be used towards the minor.

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 (15 hrs)

- Foundation Courses
- Select from at least 4 subject areas.

Neuroscience 3 hrs
- PSB 3002 Physiological Psychology or 3 hrs
- PSB 4240C Neuropsychology or 4 hrs
- ZOO 3744 Neurobiology 3 hrs

Philosophy 3 hrs
- PHI 3320 Philosophy of Mind or 3 hrs
- PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
- PHI 3451 Philosophy of Psychology or 3 hrs
- PHI 4341 Ways of Knowing or 3 hrs
- PHI 4400 Philosophy of Science or 3 hrs
- PHI 4935 Topics in Philosophy of Mind 3 hrs

Psychology 3 hrs
- EXP 2204C Perception or 4 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
### Communication Sciences and Disorders - Minor

#### College of Health and Public Affairs

Department of Communication Sciences and Disorders, Health and Public Affairs, Room: 101


Email: advising@ucf.edu

Licensed Speech-Language Pathology and Audiology Assistant: This state license may be obtained by completing the minor.

#### Minor Admission Requirements

- None

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 471</td>
<td>Communication Disorders in Literature and Media</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3112</td>
<td>Basic Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3112L</td>
<td>Basic Phonetics Lab</td>
<td>1</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>Language Development</td>
<td>3</td>
</tr>
<tr>
<td>LIN 3716L</td>
<td>Language Development Lab</td>
<td>2</td>
</tr>
<tr>
<td>SPA 3101</td>
<td>Physiological Bases of Speech and Hearing</td>
<td>3</td>
</tr>
</tbody>
</table>

A minimum GPA of 2.0 is required in all courses used to satisfy the minor.

#### Other Requirements

- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

---

### Computer Science - Minor

#### College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

Dr. Mark Llewellyn, markl@cs.ucf.edu

Phone: 407-823-3327

#### Minor Admission Requirements

- Not open to Computer Engineering, Computer Science, or Information Technology majors.

#### Minor Requirements

- None
## Crime, Law, and Deviance - Minor

### College of Sciences

**Department of Sociology,**

**Howard Phillips Hall, Room: 403**

[http://sociology.ucf.edu](http://sociology.ucf.edu)

Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

### Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

### Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades less than “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 (19 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CDA 3103</td>
<td>Computer Logic and Organization</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select one:

- COP 3100C Introduction to Discrete Structures or MAD 2104 Foundations of Discrete Math | 3 hrs |

### Restricted Electives (12 hrs)

- None

### Total Semester Hours Required
- 19

### Other Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

## Foreign Language Requirements
- None

### Criminal Justice - Minor

### College of Health and Public Affairs

**Department of Criminal Justice,**

**Health and Public Affairs I, Room: 311**

[Email: cjadvise@ucf.edu](mailto:cjadvise@ucf.edu)

Mary Ann Eastep, 407-823-2603

### Minor Admission Requirements
- None

### Minor Requirements
- None

### Prerequisite Courses
- None

### Required Courses (11 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3024</td>
<td>Criminal Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3014</td>
<td>Crime in America</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives (12 hrs)

Select one:

- CCJ 3510 Prosecution and Adjudication or CJC 3010 Corrections and Penology | 3 hrs |
- CJL 3510 Prosecution and Adjudication or CJE 4014 Police and Society | 3 hrs |

and

Six semester hours of Criminal Justice courses (selected with aid of an advisor) | 6 hrs |

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

## Dance - Minor

### College of Arts and Humanities

**Department of Theatre,**

**Performing Arts Center, Room: 210A**


Earl Weaver, Earl.Weaver@ucf.edu, 407-823-2862

### Minor Admission Requirements
- None

### Minor Requirements
- None

### Prerequisite Courses
- None

### Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAN 3134</td>
<td>Dance History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DAA 3612</td>
<td>Dance Improvisation/Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DAA 2100C</td>
<td>Modern Dance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2200C</td>
<td>Ballet I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3684</td>
<td>Dance Performance</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Select from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 2200</td>
<td>Dance Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DAA 2201</td>
<td>Modern Dance II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DAA 2202</td>
<td>Modern Dance III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DAA 2203</td>
<td>Modern Dance IV</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Total Semester Hours Required
- 18

### Other Requirements
- Students must satisfy each course’s prerequisites before enrolling in the class.

### Restricted Electives (12 hrs)

Select from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 3510</td>
<td>Sociology of Deviant Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3511</td>
<td>Sociology of Murder</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3530</td>
<td>Juvenile Delinquency</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3540</td>
<td>Sociology of Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3562</td>
<td>Patterns of Domestic Violence in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4514</td>
<td>Patterns of Violence in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4521</td>
<td>Crime Victims in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4536</td>
<td>Gangs and Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

Digital Media - Minor
College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu/
Phone: 407-823-2676

Minors

Required Courses (9 hrs)
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs

Restricted Electives (6 hrs)
- Select two courses:
- DIG 3134 Media Software Design 3 hrs
- DIG 3480C Computer as a Medium 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 3563 Information Management and Entrepreneurship 3 hrs
- DIG 3716C Internet Interaction 3 hrs
- DIG 3811 User-Centered Design 3 hrs
- DIG 4630C Media Business Practices 3 hrs
- DIG 4713 Game Design 3 hrs
- DIG 4790C Modeling for Realtime Systems 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.
- Students must consult dance advisor every semester. Students who do not consult with their dance advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor will lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may be used in the minor only with prior written permission.
- Participation on a minimum of one departmental dance concert.
- A minimum of 3 different dance styles must be completed in the minor.

Diplomacy - Minor
College of Sciences
College of Arts and Humanities
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politics.cos.ucf.edu
Department of History, Colburn Hall, Room: 551
http://history.cah.ucf.edu/
Dr. K. Hamann, 407-823-2608
Dr. J. Sacher, 407-823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this minor will gain experience in diplomatic history, concepts, theories, methods, protocol and practice.

Admission Requirements
- None

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the participating departments.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
- INR 4030 Diplomacy 3 hrs
- INR 4102 American Foreign Policy 3 hrs

Restricted Electives (9 hrs)
- Select from the following:
  - AMH 4512 US Diplomatic History: 1914-1945 3 hrs
  - EUH 3242 Modern Europe and the First World War 3 hrs
  - EUH 3281 Second World War and Rebirth of Europe 3 hrs
  - EUH 4574 History of Russia: 1801-1917 3 hrs
  - EUH 4576 History of Russia in the 20th Century 3 hrs
  - EUH 4620 European Great Powers: 1815-1914 3 hrs
  - EUH 4663 History of Communism in Europe 3 hrs
  - INR 4064 Global Politics of Energy 3 hrs
  - INR 4074 Immigration Policy 3 hrs
  - INR 4075 Human Rights Policy 3 hrs
  - INR 4076 Global Drug Policy 3 hrs
  - INR 4104 Topics and Cases in American Foreign Policy 3 hrs

Foreign Language Requirements
- None
### Diversity and Social Inequality - Minor

**College of Sciences**
**Department of Sociology,**
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu

Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society. The minor facilitates the understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of fields.

**Minor Admission Requirements**
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

**Minor Requirements**
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses** (6 hrs)
- SYG 2000 Introduction to Sociology or SYG 2010 Social Problems 3 hrs

**Required:** Complete one of the following: 3 hrs
- SYG 2010 Social Problems 3 hrs

**Restricted Electives** (12 hrs)
- Select from the following:
  - SYD 410 Urban Society 3 hrs
  - SYD 3700 Race and Ethnicity 3 hrs
  - SYD 3800 Sex and Gender in Society 3 hrs
  - SYO 4100 Family Trends 3 hrs
  - SYO 4200 Religion in Society 3 hrs
  - SYO 4810 Women in Contemporary Society 3 hrs
  - SYO 4813 Women, Law and Social Change 3 hrs
  - SYP 4454 Global Inequality and Society 3 hrs
  - SYP 4732 Minority Aging 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required** 18

### Early Childhood Development and Education - Minor

**College of Education**
Department of Child, Family and Community Sciences,
Education Building, Room: 209
http://education.ucf.edu/ece/
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. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

**Minor Admission Requirements**
- Completion of an A.A. degree from a Florida public post secondary institution.
- A minimum overall GPA of 2.75.
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.

**Minor Requirements**
- Must maintain a minimum overall MINOR GPA of 2.75.
- At least 12 hours used in the minor must be earned at UCF.

**Prerequisite Courses**
- None

**Required Courses** (18 hrs)
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs

**Restricted Electives** (3 hrs)
- Choose one:
  - MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
  - SCE 4304 Teaching Science and Technology to Young Children 3 hrs
  - RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
  - EEX 4751 Parent Involvement in Education 3 hrs
  - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required** 21

### Other Requirements
- None
Economic Policy - Minor
College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, mcaputo@bus.ucf.edu
David Scrogin, 407-823-4129
Nora Underwood, 407-823-1403
Phone: 407-823-3266

For both Business Majors and non-Business Majors.
Not open to Economics BA or BSBA majors.

The Economics Policy minor is intended to provide a broad introduction to economic policy issues related to national and international institutions and events. This minor is well-suited for students in Interdisciplinary Studies, International and Global Studies, Journalism, Legal Studies, Political Science, Public Administration, Social Sciences, and Sociology.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Restricted Electives (12 hrs)
- ECO 3223 Money and Banking 3 hrs
- ECO 3704 Global Economic Policy 3 hrs
- ECO 4303 History of Economic Thought 3 hrs
- ECO 4751 Law and Economics 3 hrs
- ECP 3002 Economics and the Environment 3 hrs
- ECP 3006 Economics of Sports 3 hrs
- ECS 4013 Development Economics 3 hrs
Other ECO, ECP or ECS courses may be applied toward the Minor with the approval of the Department

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.

Economics - Minor
College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu
David Scrogin, BA2 302U, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

(for both Business Majors and non-Business Majors)

The 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.

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: 3 hrs
  - ECO 3101 Intermediate Microeconomics or 3 hrs
  - ECO 3203 Intermediate Macroeconomics 3 hrs

Restricted Electives
- Upper Division Restricted Electives 9 hrs
  - Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.
  - Note: ECO 3401 (or equivalents) is a pre-requisite for the following:
    - ECO 3101 Intermediate Microeconomics 3 hrs
    - ECO 3203 Intermediate Macroeconomics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
The Education minor is intended to provide for university students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Minor Requirements

- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)

- Select one
  - MAE 4634 Programs in Teaching of Mathematics 3 hrs
  - SSE 4936 Programs in Teaching Social Science 3 hrs
  - LAE 4342 Programs in Teaching Language and Composition 3 hrs
  - LAE 4464 Survey of Adolescent Literature 3 hrs
  - SCE 4361 Programs in Teaching Science 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:

- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

Emergency Management and Homeland Security - Minor

College of Health and Public Affairs

School of Public Administration, Health and Public Affairs II, Room: 238

Email: pa/ba/bs@ucf.edu

Dr. Claire Knox, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements

- None

Minor Requirements

- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4822</td>
<td>Intergovernmental Administration</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4392</td>
<td>Emergency Management and Homeland Security</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>Information Systems for Public Managers and Planners</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4395</td>
<td>Disaster Response and Recovery</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4390</td>
<td>Hazard Mitigation and Preparedness</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)

- Select one
  - DSC 4012 Terrorism or 3 hrs
  - DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Grades below "C" (2.0) or “S” grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship or Independent Study cannot be used toward the minor.
- Students must earn a “C” (2.0) or better in each course in the minor.

Energy and Sustainability - Minor

College of Engineering and Computer Science

Engineering, Room: 107

CECS Academic Affairs

http://www.cecs.ucf.edu

Paul Edlen, paul.edlen@ucf.edu, 407-823-2455

Participants in this minor will acquire knowledge in technical, economic and policy issues related to sustainable energy generation, conservation, management and utilization. Those completing the minor will be able to improve their understanding, awareness and job skills to have additional opportunities and advantages to pursue a career in the emerging energy sector.
Minors

Engineering Leadership - Minor
College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu
Dr. Timothy Kotnour
Phone: 407-823-5645

The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering profession.

Minor Admission Requirements
- Acceptance to the program is from a pool of applicants each fall term for the two semester program. Admission requires an interview with the Director of this minor program, submission of the applicant’s resume with academic and outside activity information, and an essay prepared by the applicant explaining their interest in the program with self development issues they would like to explore in the program.
  - Only open to CECS undergraduate students
  - A minimum GPA of 3.0 is required for acceptance into this minor degree program

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- EGN 3613  Engineering Economic Analysis  2 hrs
- EIN 3354  Principles of Cost Engineering  3 hrs
- EGN 4624  Engineering Administration  3 hrs
- EIN 4191C  Engineering Leadership Seminar I  2 hrs
- EIN 4192C  Engineering Leadership Seminar II  2 hrs
- Two Engineering Design courses 6 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students must have a Grade of “C” (2.0) or better in all courses in the minor.
- Any course substitution must be approved by IEMS Undergraduate Coordinator and/or Department Chair.

English - Creative Writing - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
Email: english@ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CRW 3013  Creative Writing for English Majors  3 hrs
- CRW 3053  Theory & Practice of Creative Writing  3 hrs

Restricted Electives (6 hrs)
- Select one course after completing CRW 3013
  - CRW 3120  Fiction Writing Workshop  3 hrs
  - CRW 3211  Creative Nonfiction Writing  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A cumulative grade of “C” (2.0) or better in all courses in the minor.
- A cumulative GPA of 2.5 is required to successfully complete the minor.
Minors

CRW 3310 Poetry Writing Workshop  3 hrs
CRW 3610 Writing Scripts  3 hrs

Select one course
CRW 4122 Advanced Fiction Writing Workshop  3 hrs
CRW 4224 Advanced Nonfiction Workshop  3 hrs
CRW 4320 Advanced Poetry Writing Workshop  3 hrs
CRW 4616 Advanced Scriptwriting Workshop  3 hrs

Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

Restricted Upper Division Electives--select three courses  9 hrs
CRW 3311 Structure of Verse  3 hrs
CRW 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 3950 Cypress Dome Editorship  3 hrs
CRW 6806C Teaching Creative Writing  3 hrs
Any other CRW elective or Special Topics course  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Linguistics - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ufc.edu/

Email: english@ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
LIN 3010 Principles of Linguistics  3 hrs
LIN 4105 History of the English Language  3 hrs
LIN 4680 Modern English Grammar  3 hrs

Restricted Electives (9 hrs)
LIN 4643 Cross Cultural Communication  3 hrs
LIN 4660 Linguistics and Literature  3 hrs
LIN 4801 Language and Meaning  3 hrs
LIN 5137 Linguistics  3 hrs
ANT 3610 Language and Culture  3 hrs
PHI 4400 Philosophy of Science  3 hrs
PHI 4221 Philosophy of Language  3 hrs
SPA 3112 Basic Phonetics  3 hrs
Or any course approved by the Linguistics Committee  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Literature - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ufc.edu/

Email: english@ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (3 hrs)
1 ENG 3014 Theories and Techniques of Literature Study

Restricted Electives (18 hrs)
■ English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ufc.edu/

Email: english@ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
ENC 4215 Technical Publication and Project Management  3 hrs
ENC 4218 The Visual in Technical Documentation  3 hrs
ENC 4293 Documentation and the Collaborative Process  3 hrs
ENC 4294 Documentation and Client-Based Collaboration  3 hrs
ENC 4280 Technical Writing Style  3 hrs
ENC 3241 Writing for the Technical Professional  3 hrs

Students completing the minor may intern with a Central Florida corporation

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18
Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English Language Arts Education - Minor
College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/englished/
Dr. Jeff Kaplan, ED 122B, Jeffrey.Kaplan@ucf.edu
Phone: 407-823-2041

The English Language Arts Education minor is intended for non-English Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- A C- or better is required in these courses
  - EDG 4110  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
  - LAE 4360  English Instructional Analysis  3 hrs
  - LAE 4342  Programs in Teaching Language and Composition  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- At least 12 hours in the minor must be earned at UCF
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Entrepreneurship: For Non-Business Majors - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://web.bus.ucf.edu/

All UCF Undergraduates have the opportunity to realize their professional goals through the Entrepreneurship Minor for Non-Business Majors. The 19-credit minor complements any degree program, providing students with business insights that are focused on career development more than ownership.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- GEB 4110  Business Plan Preparation  3 hrs
- GEB 4111  New Venture Finance  3 hrs
- MAN 3301  Management of Human Resources  3 hrs
- MAN 4802  Entrepreneurship  3 hrs
- Select 1:
  - MAR 3391  Professional Selling or 3 hrs
  - MAR 3765  Entrepreneurial Marketing  3 hrs

Restricted Electives (3 hrs)
- Any 3000 or 4000 MAN course not in COB core or the following course:
  - BUL 4540  Employment Law  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19
### Minors

**Select 1:**
- GEB 3113 How to Start a Business or Organizational Management 3 hrs
- MAN 3301 Management of Human Resources 3 hrs

**Required Entrepreneurship Courses** 9 hrs
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4111 New Venture Finance 3 hrs

**Select 1:**
- GEB 4152 Technological Entrepreneurship or Management of Human Resources 3 hrs
- MAN 4802 Entrepreneurship 3 hrs

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 20

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- A maximum of 6 hours of required elective coursework can count toward another major or minor degree program.

### Environmental Studies - Minor

**Office of Undergraduate Studies**
**Office of Interdisciplinary Studies, Classroom I, Room: 302**
**http://www.is.ucf.edu**
**Email: is@mail.ucf.edu**
**Phone: 407-823-0144**

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the introspection and artistic presentation of the humanities with the inquisitiveness 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 3150</td>
<td>Foundations of Environmental Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives** (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 3152C</td>
<td>Local Flora</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 3802</td>
<td>Ethnobotany</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 4033C</td>
<td>Plant Kingdom</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BOT 4713C</td>
<td>Plant Taxonomy</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BSC 4312C</td>
<td>Advanced Marine Ecology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>OCE 3008</td>
<td>Oceanography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044</td>
<td>Principles of Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3442</td>
<td>Aquatic Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4863</td>
<td>Evolutionary Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Introduction to Environmental Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4341</td>
<td>Solid &amp; Hazardous Waste Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3065</td>
<td>Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044L</td>
<td>Principles of Ecology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>ECO 4701</td>
<td>Seminar in Global Economic Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4351</td>
<td>International Environmental Law</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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**
**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.

Required Courses (6 hrs)
- CPO 4101 Politics of the European Union 3 hrs
- LIT 3082 Continental European Fiction Since 1900 3 hrs

Restricted Electives (15 hrs)
- Course substitutions are subject to prior approval by the director.

Literature, Film, and Culture:
Select from the following courses: 3 hrs
- Note: Courses offered by the Modern Languages
Department might be offered in a language other than English.

- ENL 2022 English Literature II or 3 hrs
- ENL 4101 English Novel or 3 hrs
- ENL 4240 English Romantic Writers or 3 hrs
- ENL 4262 Nineteenth Century British Prose or 3 hrs
- ENL 4273 Modern British Literature or 3 hrs
- FIL 3820 Italian Film or 3 hrs
- FIL 3822 French Film or 3 hrs
- FIL 3823 German Film or 3 hrs
- FIL 3824 Italian Neo-Realist Cinema or 3 hrs
- FRE 4500 French Civilization and Culture or 3 hrs
- FRT 3862 French Contemporary Pop Culture or 3 hrs
- FRW 3370 Short Stories of 18th, 19th and 20th Centuries or 3 hrs
- FRW 4281 20th Century French Novels or 3 hrs
- FRW 4324 20th Century French Drama or 3 hrs
- FRW 4552 Nineteenth Century French Literature or 3 hrs
- GER 3102 Germany - Past to Present or 3 hrs
- GER 4520 Modern German or 3 hrs
- GEW 3101 Survey of German literature II or 3 hrs
- GEW 3370 Short Story or 3 hrs
- GEW 3480 German Post-War Literature or 3 hrs
- GEW 4482 German Children’s Literature or 3 hrs
- GEW 4531 The Age of Goethe and Schiller or 3 hrs
- ITT 4956 Study Abroad: Modern and Contemporary Cultural or 3 hrs
- ITW 3101 Survey of Italian Literature II or 3 hrs
- JST 3751 Literature of the Holocaust or 3 hrs
- LIT 4184 Irish Literature or 3 hrs
- SPW 3101 Survey of Spanish Literature II or 3 hrs
- SPW 3370 Spanish Short Story or 3 hrs
- SPW 4272 20th Century Spanish Novel or 3 hrs
- SPW 4322 Contemporary Iberian Theatre or 3 hrs
- SPW 4450 Spanish Literary Theory or 3 hrs
- SPW 4460 Nineteenth Century Spanish Literature or 3 hrs
- SPW 4720 The Generation of 1888 or 3 hrs

History:
Select from the following courses: 6 hrs

- EUH 3230 Romanticism and Realism or 3 hrs
- EUH 3242 Modern Europe and the First World War or 3 hrs
- EUH 3281 Second World War and Rebirth of Europe or 3 hrs
- EUH 3411 Ancient Rome or 3 hrs
- EUH 3431 History of Modern Italy or 3 hrs
- EUH 3451 History of Modern France or 3 hrs
- EUH 4284 Fascism and Nazism in the Interwar Europe or 3 hrs
- EUH 4400 The History of Ancient Greece or 3 hrs
- EUH 4465 Hitler's Third Reich or 3 hrs
- EUH 4501 English History: 1485-1815 or 3 hrs
- EUH 4502 British History: 1815-Present or 3 hrs
- EUH 4574 History of Russia: 1801-1917 or 3 hrs
- EUH 4576 History of Russia in the 20th Century or 3 hrs
- EUH 4582 20th Century Russian Diplomatic History or 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern or 3 hrs
- EUH 4620 European Great Powers: 1815-1914 or 3 hrs
- EUH 4663 History of Communism in Europe or 3 hrs
- GER 4510 Life and Culture in Nazi Germany or 3 hrs
- JST 3701 History of the Holocaust or 3 hrs

Political Science or Economics:
Select from the following courses: 3 hrs
- CPO 3104 Politics of Western Europe or 3 hrs

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
- ARH 4430 19th Century Art or 3 hrs
- ARH 4450 20th Century Art or 3 hrs
- PHH 3041 Russian Philosophy or 3 hrs
- PHH 3510 Marx and Nietzsche or 3 hrs
- PHP 3763 Modernity as a Philosophical Problem or 3 hrs
- PHP 3786 Existentialism or 3 hrs
- PHP 4782 Phenomenology or 3 hrs

Foreign Language Requirements
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (military credit, TSD) may be used toward the minor.

Exceptional Student Education - Minor

College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://www.education.ucf.edu
Dr. Maria Reyes-MacPherson, Program Coordinator, maria.reyes-macpherson@ucf.edu, 407-823-5445
Linda Alexander, Linda.Alexander@ucf.edu, 407-823-2598

The Exceptional Student Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor does not lead to teacher certification nor admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student’s major program.

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a “C” (2.0) in all minor courses.
- Students must choose an elementary, early childhood or secondary focus.

Prerequisite Courses
- None

Required Courses (12 hrs)

1 EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs
2 EEX 4763 Technology for Classroom Teachers of Students with Special Needs
1 EEX 4771 Assessment of Exceptional Students (elective only for Education majors)

Minors
## Minors

<table>
<thead>
<tr>
<th>Restricted Electives (6 hrs)</th>
<th>FIL 4647 Film Production Management 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary Restricted Electives</td>
<td>FIL 3847 Latin American Cinema 3 hrs</td>
</tr>
<tr>
<td>Secondary Restricted Electives</td>
<td>FIL 3363C Film Documentary 3 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.

### Finance - Minor

**College of Business Administration**  
**Department of Finance**,  
**Business Administration I, Room: 409**  
**Students seeking advising must go to BA 2, Room 101.**  
http://web.bus.ucf.edu/academics/finance/

Open to business and non-business students. Not available to finance majors.

### Minor Admission Requirements
- None

### Minor Requirements
- None

### Prerequisite Courses (6 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs  
- ECO 2023 Principles of Microeconomics 3 hrs

### Required Courses (10 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs  
- FIN 3403C Business Finance 4 hrs  
- FIN 3303 Financial Markets 3 hrs

### Restricted Electives (9 hrs)
- Select 3: 9 hrs
  - FIN 3414 Intermediate Corporate Finance or 3 hrs  
  - FIN 3461 Financial Statement Analysis or 3 hrs  
  - FIN 3504 Investment Analysis or 3 hrs  
  - FIN 4324 Commercial Bank Management or 3 hrs  
  - FIN 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 or 3 hrs

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 19

### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- A minimum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

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### Film - Cinema Studies - Minor

**College of Arts and Humanities**  
**Department of Film**,  
**Nicholson School of Communication, Room: 121**  
http://film.cah.ucf.edu/  
**Email: film@ucf.edu**

**S. Schlow**, 407-823-2845  
**Phone: 407-823-4285**

### Minor Admission Requirements
- Completion of a Minor Declaration form

### Minor Requirements
- None

### Prerequisite Courses
- None

### Required Courses (12 hrs)
- FIL 2030 History of Motion Pictures 3 hrs  
- FIL 3006 Art of the Cinema 3 hrs  
- FIL 2423 Foundations of Production 3 hrs

### Select 1: 3 hrs
- FIL 1007 Foundations of Story or 3 hrs  
- FIL 1000 Cinema Survey 3 hrs

### Restricted Electives (6 hrs)
- Choose Two
  - FIL 3363C Film Documentary 3 hrs  
  - FIL 3403C Business Finance 4 hrs  
  - FIL 3303 Financial Markets 3 hrs  
  - FIL 3414 Intermediate Corporate Finance or 3 hrs  
  - FIL 4324 Commercial Bank Management or 3 hrs  
  - FIL 4453 Financial Models or 3 hrs  
  - FIL 4514 Portfolio Analysis and Management or 3 hrs  
  - FIL 4533 Financial Derivatives or 3 hrs  
  - FIL 4604 International Financial Management or 3 hrs

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### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, 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.
Minors

Fitness Training - Minor
College of Education
Department of Child, Family and Community Sciences,
Education Building, Room: 209
Patty Lanier, Patty.Lanier@ucf.edu, 407-823-0623

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to receive certification from The American Council on Exercise. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements
■ 2.5 GPA

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
PET 4312C  Kinesiology/Biomechanics  3 hrs
PET 4550C  Assessment and Evaluation in Exercise Science  3 hrs
PET 4083C  Personal Training Methods  3 hrs
1 ZOO  Exercise Physiology Anatomy  4 hrs
3736C

1 This course should be taken prior to PET 4312, PET 4550, and PET 4083. If the student has completed the Human Anatomy requirement at another school, it can be substituted with this course.

Restricted Electives
Select 2: (6 hrs)
PET 3361 Nutrition and Metabolism in Sport and Exercise Science or 3 hrs
PET 3771 Strength and Conditioning Concepts or 3 hrs
PET 3768 Group Exercise Instruction or 3 hrs
PET 4351C Exercise Physiology or 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ 19

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Email: flfacult@ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
(18 hrs)
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDG 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ None

Foreign Language Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Complex, Room: 220L
http://education.ucf.edu/language
Dr. Karen Verkler, Karen.Verkler@ucf.edu, 407-823-5235

The Foreign Language Education minor is intended for non-Language Education majors. It is well suited for College of Education students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education.

Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education.

Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

Minor Admission Requirements
■ Minimum 2.5 overall GPA. Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from an approved Florida community college or state university.

Minor Requirements
■ Students should see an advisor prior to registering for classes. Students must complete 18 hrs of language courses as co-requisites. A grade of “C” (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
■ None

Required Courses
(18 hrs)
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ None

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Minors

- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Health Informatics and Information Management - Minor
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
Alice Noblin, anoblin@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
- Majors may not count courses presently required in a department program
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Health Sciences - Minor
College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs II, Room: 212
Dr. Suha Saleh, 407-823-6761

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 4558 Pathophysiology II 3 hrs
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- HSC 3432 Occupational Safety for the Health Care Professional 3 hrs
- HSC 4572 Clinical Nutrition 3 hrs
- HSC 4730 Applied Health Research Methodology 3 hrs
- HSC 4008 Professional Development in Health Professions 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- HSC 3559 Disabilities in American Society 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- ATR 3203C Upper Extremity Function and Measurement 3 hrs
- ATR 3204C Lower Extremity Function and Measurement 3 hrs
- ATR 3312C Injury, Management, and Rehabilitation 3 hrs
- PET 4606 Applied Fitness in Sport 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 3593 HIV Disease: A Human Concern 3 hrs

Restricted Electives (9 hrs)
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 4558 Pathophysiology II 3 hrs
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- HSC 3432 Occupational Safety for the Health Care Professional 3 hrs
- HSC 4572 Clinical Nutrition 3 hrs
- HSC 4730 Applied Health Research Methodology 3 hrs
- HSC 4008 Professional Development in Health Professions 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- HSC 3559 Disabilities in American Society 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- ATR 3203C Upper Extremity Function and Measurement 3 hrs
- ATR 3204C Lower Extremity Function and Measurement 3 hrs
- ATR 3312C Injury, Management, and Rehabilitation 3 hrs
- PET 4606 Applied Fitness in Sport 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 3593 HIV Disease: A Human Concern 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Majors may not count courses presently required in a department program
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Health Services Administration - Minor
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
Email: hsainfo@ucf.edu
Dr. Bernardo Ramirez, 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 4190 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSC 4500 Epidemiology 3 hrs

Restricted Electives (3 hrs)
- Additional prerequisite courses may be required

Select 1: 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- HSA 4109 Principles of Managed Care or 3 hrs
- HSC 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 minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all courses for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Health Management and Informatics.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

History - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Phone: 407-823-2225

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
Restricted Upper Division Electives 15 hrs
Restricted Electives (3 hrs)
History Elective 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C-" (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

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. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
Take all of the following: 6 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry and Services Management I 3 hrs
HFT 3540 Hospitality and Tourism Marketing 3 hrs
Select 2: 6 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 2500 Hospitality and Tourism Marketing Management 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum overall GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Final Exam Week only.
- Internship or Independent Study credit cannot be used toward the minor.

Humanities - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Travis Rodgers, travis.rogers@ucf.edu, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
Humanities Foundations 6 hrs
Select 2: 6 hrs
HUM 3252 Contemporary Humanities or 3 hrs
HUM 3255 Modern Humanities or 3 hrs
HUM 3431 Ancient Humanities or 3 hrs
HUM 3435 Medieval Humanities 3 hrs
Minor Admission Requirements
- Not open to Information Technology majors.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- EGN 4XXXC Introduction to Robotics 3 hrs

Select 2:
- EEL 4612C Introduction to Modern and Robust Control 3 hrs
- EML 4804C Digital Control in Mechatronics 3 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 5820 Image Processing 3 hrs
- EML 5290 Introduction to MEMS and Micromachining 3 hrs
- EEL 5513 Digital Signal Processing Applications 3 hrs

Restricted Electives (9 hrs)
- Select one of the following courses:
  - EEL 4750 Digital Signal Processing Fundamentals 3 hrs
  - EEL 5513 Digital Signal Processing Applications 3 hrs
  - EEL 5669 Autonomous Robotic Systems 3 hrs
  - EML 5311 System Control 3 hrs
  - EEL 5820 Image Processing 3 hrs
  - EML 5825 Pattern Recognition 3 hrs
  - EML 5940C Digital Control in Mechatronics 3 hrs
  - EEL 5625 Applied Control Systems 3 hrs
  - EML 5290 Introduction to MEMS and Micromachining 3 hrs
  - EEL 4612C Introduction to Modern and Robust Control 3 hrs
  - EEL 4750 Digital Signal Processing Fundamentals 3 hrs
  - EML 5311 System Control 3 hrs

Foreign Language Requirements
- None
Students whose major requires senior design courses are encouraged to take the following courses and to undertake a project in intelligent robotic systems.

EGN 4412C Interdisciplinary Design I 3 hrs
EGN 4413C Interdisciplinary Design II 3 hrs

International and Global Studies - Minor
Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Email: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
  - 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- IDS 4315 Global Perspectives 3 hrs
- GEO 3471 World Political Geography 3 hrs

Restricted Electives
- (15 hrs)
  - Substitutions require prior approval by the program advisor.

A. Political Science:
Select courses from this grouping: 6 hrs
INR 4011 Politics of Globalization or 3 hrs
INR 4030 Diplomacy or 3 hrs
INR 4035 International Political Economy or 3 hrs
INR 4054 Global Politics of Energy or 3 hrs
INR 4074 Immigration Policy or 3 hrs
INR 4075 Human Rights Policy or 3 hrs
INR 4076 Global Drug Policy or 3 hrs
INR 4350 Global Environmental Politics or 3 hrs
INR 4502 International Organizations or 3 hrs
INR 4603 International Relations Theory or 3 hrs
INR 4714 Politics of International Trade Policy 3 hrs

B. Area Studies:
- Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies
- Courses may not have a prefix of INR, CPO, POT, POS or PUP.

C. Other:
Select one course from this grouping: 3 hrs
CPO 3103 Comparative Politics or 3 hrs
CPO 4062 Comparative Judicial Process or 3 hrs
CPO 4074 Political Economy or 3 hrs
CPO 4754 Comparative Political Institutions or 3 hrs
CPO 4710 Women in Comparative Politics or 3 hrs
CPO 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
CPO 4445 Comparative Political Parties or 3 hrs
CPO 4245 International Drug Policy or 3 hrs
DSC 4012 Terrorism or 3 hrs
EUH 3651 War and Society or 3 hrs
MMC 4300 International Media or 3 hrs
SYH 4454 Global Inequality and Society or 3 hrs
THE 3312 Theatre History and Dramatic Literature II or 3 hrs
Three one credit Foreign Language across the Curriculum (FLAC) courses 3 hrs

Foreign Language Requirements
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.
- Standardized examinations for foreign languages may be used to meet the requirement.

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental approval.

International Business - Minor
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu
Robert Sweo, rsweo@bus.ucf.edu, 407-823-1237

Minor for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- (13 hrs)
FIN 4604 International Financial Management 3 hrs
GEB 3375 Introduction to International Business 4 hrs
MAR 4600 International Management 3 hrs
MAR 4156 International Marketing 3 hrs

Restricted Electives
- (6 hrs)
Select two of the following:
ECO 3703 International Microeconomics 3 hrs
ECO 3704 Global Economic Policy 3 hrs
ECO 4713 International Macroeconomics 3 hrs
ECS 4013 Development Economics 3 hrs
GEB 3955 Study Abroad 3 hrs
GEB 4361 Business in the International Environment 3 hrs
GEB 4374 International Negotiations and Transactions 3 hrs
GEB 4955 Study Abroad 3 hrs
GEO 3471 World Political Geography 3 hrs
INR 4035 International Political Economy 3 hrs
INR 4224 Contemporary International Politics of Asia 3 hrs
INR 4243 International Politics of Latin America 3 hrs
INR 4401 International Law 3 hrs
MAR 4724 Strategic Foundations in Global E-Business 3 hrs
Any 3000/4000 level foreign language course.

Foreign Language Requirements
- None
Minors

International Engineering - Minor
College of Engineering and Computer Science

Engineering, Room: 107

http://www.cecs.ucf.edu

Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today's global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
- Admission by interview with the Program Director

Minor Requirements
- Minimum UCF Overall GPA of 2.5.

Prerequisite Courses
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses (18 hrs)
- The International minor in Engineering or Computer Science is composed of three parts:

  Language Skill Acquisition 6 hrs
  - It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries in which English is widely spoken.

  Study Abroad Experience 9 hrs
  - 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.

  Cultural Coursework 3 hrs
  - It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
    - Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available.
    - Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

  Study Abroad Experience 9 hrs
  - The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad. Minimally, 6 hours must meet requirements of the student’s major program.
  - Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Restricted Electives
- None

Foreign Language Requirements
- See Language Skills Acquisition

Total Semester Hours Required 18
Interpersonal/Organizational Communication - Minor

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, jkatt@ucf.edu
Rebecca Morales, rebecca.morales@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Interpersonal/Organizational Communication, Journalism, or Radio- TV majors.

Minor Requirements
- None

Prerequisite Courses
- Students must satisfy course prerequisites before enrolling.

Required Courses (12 hrs)
- COM 3011C Communication and Human Relations 3 hrs
- COM 3120 Organizational Communication 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs

Restricted Electives (9 hrs)
Select from the following courses:
- COM 3013 Communication and the Family 3 hrs
- COM 3222 Health Communication 3 hrs
- COM 3310 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 353C Argumentation and Debate 3 hrs
- SPC 4331 Nonverbal Communication 3 hrs
- SPC 4426 Group Dynamics 3 hrs
- SPC 4540 Attitudes and Communication 3 hrs
- Independent study or Special topics course if approved by 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 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 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 the minor without departmental permission.

Italian - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Email: flfacult@ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
Select from the following:
- COM 3311 Communication Research Methods 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- COM 3313R Communication and Human Relations 3 hrs
- SPC 4331 Nonverbal Communication 3 hrs
- SPC 4426 Group Dynamics 3 hrs
- SPC 4540 Attitudes and Communication 3 hrs
- Independent study or Special topics course if approved by coordinator prior to enrolling in the class

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.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Journalism Studies - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Kim Voss, Area Coordinator, kvoss@ucf.edu
Rebecca Morales, Academic Support, rebecca.morales@ucf.edu, 407-823-2681

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below a “C” (2.0) are not accepted in the minor.
- At least 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 the minor without departmental permission.

Required Courses
- JOU 3004 History of American Journalism 3 hrs

Restricted Electives (15 hrs)
Select from the following:
- JOU 3304 Journalism Readings 3 hrs
- JOU 3015 Principles of Journalism 3 hrs
Minors

Jewish History

Restricted Electives (18 hrs)

Required Courses (8 hrs)

Prerequisite Courses

Minor Requirements

Minor Admission Requirements

Foreign Language Requirements

Other Requirements

Total Semester Hours Required

Foreign Language Requirements

Judaic Studies - Minor
College of Arts and Humanities
Program in Judaic Studies,
Colbourn Hall, Room: 415 E-J
http://judaicstudies.cah.ucf.edu/
Email: judaicst@ucf.edu

Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) (or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For certificate requirements, refer to the section on Judaic Studies Certificate.

Minor Admission Requirements

Minor Requirements

Prerequisite Courses

Required Courses

Required Courses (or proficiency) in Hebrew

HBR 1120 Elementary Modern Hebrew Language and Culture I 4 hrs
HBR 1121 Elementary Modern Hebrew Language and Culture II 4 hrs

Restricted Electives (18 hrs)

Jewish History

JST 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

Language

HBR 2201 Intermediate Modern Hebrew I 3 hrs
HBR 3201 Intermediate Modern Hebrew II 3 hrs
HBR 3250 Biblical Hebrew 3 hrs
HBR 3410 Conversational Israeli Hebrew 3 hrs

Other requirements, including special topics, with the approval of the Director

Latin American Area Studies - Minor
College of Arts and Humanities
Colbourn Hall, Room: 406E & 406F
http://las.cah.ucf.edu/

Dr. José Maunez-Cuadra, jose.maunez-cuadra@ucf.edu, 407-823-1174

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

Minor Admission Requirements

Minor Requirements

Prerequisite Courses

Required Courses

Required Courses (or proficiency) in Latin American Studies

SPN 1120C Elementary Spanish Language and Culture I 4 hrs
SPN 1121C Elementary Spanish Language and Culture II 4 hrs

Restricted Electives (18 hrs)

Other courses, including special topics, with the approval of the Director

Foreign Language Requirements

Other Requirements

Total Semester Hours Required

Foreign Language Requirements

Latin American Area Studies - Minor
College of Arts and Humanities
Colbourn Hall, Room: 406E & 406F
http://las.cah.ucf.edu/

Dr. José Maunez-Cuadra, jose.maunez-cuadra@ucf.edu, 407-823-1174

Phone: 407-823-1174

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

Minor Admission Requirements

Minor Requirements

Prerequisite Courses

Required Courses

Restricted Electives (18 hrs)

At least 6 hours must be from one disciplinary group, and at least 3 hours from two additional groups. The remaining hours may be selected from any of the disciplinary groups. Additional courses not listed below may substitute with prior approval from the Program Director.
The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (19 hrs)

Foundation Requirement
4 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>LDR 2002</td>
<td>Intermediate Foundations of Leadership</td>
<td>2 hrs</td>
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</tbody>
</table>

Restricted Requirements
15 hrs
■ Choose one course from each of the five areas:

Communication
3 hrs
1) COM Communication and Human Relations or 3 hrs
2) COM 3120 Organizational Communication or 3 hrs
3) COM 4461 Intercultural Communication or 3 hrs
2) COM 4462 Conflict Management or 3 hrs
3) ENC 3250 Professional Writing or 3 hrs
4) SPC 3445 Leadership Through Oral Communication or 3 hrs

Collaboration
3 hrs
5) INP 3004C Industrial/Organizational Psychology or 3 hrs
6) INP 4313 Organizational Psychology or 3 hrs
7) MAN 4240 Organizations: Theory and Behavior or 3 hrs
8) MAN 3025 Management of Organizations or 4 hrs
9) SPC 4426 Group Dynamics or 3 hrs

Social Relations and Culture
3 hrs
10) AN 3541 Biobehavioral Anthropology or 3 hrs
11) CLP 3143 Abnormal Psychology or 3 hrs
12) COM 4461 Intercultural Communication or 3 hrs
13) EXP 3304C Motivation or 3 hrs
14) GOP 3004C Social Psychology or 3 hrs
15) GOP 3723 Cross Cultural Psychology or 3 hrs
16) GOP 3742 Psychology of Women or 3 hrs
17) GOP 3784 Psychology of Diversity or 3 hrs

Politics
3 hrs
18) PAD 3003 Public Administration in American Society or 3 hrs
19) PAD 4104 Administrative Theory or 3 hrs
20) PAD 4144 Non-Profit Organizations or 3 hrs
21) PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
22) POS 3413 The American Presidency or 3 hrs
23) POS 4026 Political Psychology or 3 hrs
24) PUB 3026 Women and Political Behavior or 3 hrs
25) SYO 3430 Political Sociology or 3 hrs

Ethics
3 hrs
26) BUL 3310 Legal and Ethical Environment of Business or 4 hrs
27) EDF 3601 Professional Ethics in Education or 3 hrs
28) PAD 3040 Ethics and Values in Public Administration or 3 hrs
29) PHI 2088 Critical Thinking or 3 hrs
30) PHI 3638 Ethical Issues in the 21st Century or 3 hrs
31) PHI 3640 Environmental Ethics or 3 hrs

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.

Modern Languages and Literature

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPN 2200</td>
<td>Intermediate Spanish Language and Civilization I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3770</td>
<td>Francophone Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3130</td>
<td>Survey of Latin-American Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3131</td>
<td>Survey of Latin-American Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3140</td>
<td>Caribbean Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3752</td>
<td>French Caribbean Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 4382</td>
<td>Central American Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4630</td>
<td>Latino/Latina Literature</td>
<td>3 hrs</td>
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<tr>
<td>SPN 3852</td>
<td>Bilinguismo</td>
<td>3 hrs</td>
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<tr>
<td>SPW 4730</td>
<td>Hispanic Literature of the United States</td>
<td>3 hrs</td>
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<tr>
<td>SPN 4780</td>
<td>Spanish Phonetics</td>
<td>3 hrs</td>
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History

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>LAH 3130</td>
<td>Latin American History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAH 3200</td>
<td>Modern Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAH 3400</td>
<td>History of Mexico and Central America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAH 3470</td>
<td>History of the Caribbean</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANH 3540</td>
<td>History of the Hispanic Minorities in the U.S.</td>
<td>3 hrs</td>
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Latin American Studies

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>LAS 4906</td>
<td>Directed Independent Study</td>
<td>1 hr</td>
</tr>
<tr>
<td>LAS 4023</td>
<td>African Caribbean Experience</td>
<td>3 hrs</td>
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</table>

Political Science

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 4303</td>
<td>Comparative Latin American Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4243</td>
<td>International Politics of Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 5334</td>
<td>Contemporary Politics of the Mayan Region</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
■ None

Total Semester Hours Required
18

Other Requirements
■ A grade of “C” (2.0) or better is required in 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.

Leadership Studies - Minor

Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@mail.ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

Minor Admission Requirements
■ None
Minors

Legal Studies - Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
Health and Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter
Phone: 407-823-1670

Minor Admission Requirements
- None

Minor Requirements
- None
- 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.

Marketing - Minor
College of Business Administration
Department of Marketing, Business Administration II,
Room: 307S
Open to Business and Non-Business Students

Minor Admission Requirements
- Not available to Marketing Majors

Minor Requirements
- None

Required Courses (4 hrs)
- MAR 3023 Marketing 4 hrs

Restricted Electives (15 hrs)
- Select four or five:
  - MAR 3203 Supply Chain and Operations Management 4 hrs
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3391 Professional Selling 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3503 Consumer Behavior 3 hrs
  - MAR 3613 Marketing Analysis and Research 3 hrs
  - MAR 3641 Marketing Intelligence 3 hrs
  - MAR 3721 Technology Applications in Marketing 3 hrs
  - MAR 3765 Entrepreneurial Marketing 3 hrs
  - MAR 4156 International Marketing 3 hrs
  - MAR 4231 Retailing Management 3 hrs
  - MAR 4711 Sport Marketing 3 hrs
  - MAR 4712 Healthcare Marketing 3 hrs
  - MAR 4715 Entertainment Marketing 3 hrs
  - MAR 4803 Marketing Management 3 hrs
  - MAR 4804 Marketing Strategy 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs

1 Requires prerequisites in addition to MAR 3023
Minors

**Mass Communication - Minor**

*College of Sciences*

**Nicholson School of Communication, NSC, Room: 143**

http://communication.cos.ucf.edu

Joan McCain, joan.mccain@ucf.edu

Rebecca Morales, Academic Support, rebecca.morales@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.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

**Required Courses**

- ADV 3008 Principles of Advertising 3 hrs
- MMC 2204 Mass Media 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs

**Restricted Electives**

- Select from the following:
  - ADV 4103 Radio-Television Advertising 3 hrs
  - COM 3330 Computer Mediated Communication 3 hrs
  - FIL 2030 History of Motion Pictures 3 hrs
  - FIL 3006 Art of the Cinema 3 hrs
  - JOU 3004 History of American Journalism 3 hrs
  - JOU 3015 Principles of Journalism 3 hrs
  - JOU 4700 Journalism Ethics 3 hrs
  - MMC 3200 Mass Communication Law 3 hrs
  - MMC 3420 Mass Media Research Methods 3 hrs
  - MMC 3630 Social Media as Mass Communication 3 hrs
  - MMC 4300 International Media 3 hrs
  - MMC 4602 Contemporary Media Issues 3 hrs
  - PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
  - PUR 4000 Public Relations 3 hrs
  - PUR 4400 Crisis Communication 3 hrs
  - RIV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
  - RIV 4403 Electronic Media, Technology, and Society 3 hrs
  - RIV 4503 Sports Programming in Electronic Media 3 hrs
  - RIV 4700 Regulation of Broadcasting 3 hrs
  - VIC 3001 Visual Communication 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18
Minors

Restricted Electives (12 hrs)
- Select from the following:
  - SYA 4650C Community Action and Involvement 3 hrs
  - SYO 3000 Contemporary Society 3 hrs
  - SYO 4200 Religion in Society 3 hrs
  - SYP 3300 Fads, Crowds, and Social Action 3 hrs
  - 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. Joseph Brennan, Joseph.Brennan@ucf.edu
Phone: 407-823-5700

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 (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

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**

School of Teaching, Learning, and Leadership,  
Education Building, Room: 209  
http://education.ucf.edu/mathed/

Dr. Janet Andreason, ED 123Q, Janet.Andreason@ucf.edu  
Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu,  
407-823-4336  
Phone: 407-823-5430

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

**Minor Admission Requirements**
- Have a minimum 2.5 overall GPA  
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (12 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  
- 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**
- 12

**Other Requirements**
- Students must 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.

---

**Medical Sociology - Minor**

**College of Sciences**

Department of Sociology,  
Howard Phillips Hall, Room: 403  
http://sociology.ucf.edu

Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The 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.

**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
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYO 4400 Medical Sociology 3 hrs

Required: Complete one of the following: 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- SYG 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
  - SYP 3551 Patterns of Alcoholism in Society 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
  - SYP 4730 Patterns of Aging in Society 3 hrs
May substitute a relevant health-related course from another department with permission from Sociology.

Foreign Language Requirements
- None

Total Semester Hours Required 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Medieval and Renaissance Studies - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 417G
http://www.english.cah.ucf.edu/
Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Students are responsible for meeting any prerequisites for the courses in the minor.

Required Courses (6 hrs)
- Select two courses from the following:
  - HUM 3435 Medieval Humanities 3 hrs
  - EUH 3122 Medieval Society and Civilization 3 hrs
  - 1 ENL 4311 Chaucer 3 hrs
  - 1 ENL 4341 Milton and His Age 3 hrs
  - 1 ENL 4333 Shakespeare Studies 3 hrs

1 Only one of these three courses will count towards required courses

Restricted Electives (12 hrs)
- Select no more than two from each disciplinary group:

Department of Art
- ARH 4200 Medieval Art 3 hrs
- ARH 4310 Italian Renaissance Art 3 hrs

Department of English
- ENL 4220 English Renaissance Poetry and Prose 3 hrs
- ENL 4311 Chaucer 3 hrs
- ENL 4333 Shakespeare Studies 3 hrs
- ENL 4341 Milton and His Age 3 hrs

Department of History
- AMH 4110 Colonial America, 1607-1763 3 hrs
- AMH 4112 The Atlantic World 3 hrs
- EUH 3122 Medieval Society and Civilization 3 hrs
- EUH 3142 Renaissance and Reformation 3 hrs
- EUH 3531 Medieval Ireland 3 hrs
- EUH 3536 Early Modern Ireland 3 hrs
- EUH 4500 English History to 1485 3 hrs
- EUH 4501 English History: 1485-1815 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern 3 hrs
- EUH 3124 The Crusades 3 hrs

Department of Modern Languages
- FRW 3100 Survey of French Literature I 3 hrs
- ITW 3100 Survey of Italian Literature I 3 hrs
- LAT 1120C Elementary Latin Language and Civilization I 4 hrs
- LAT 1121 Elementary Latin Language and Civilization II 4 hrs
- SPW 3100 Survey of Spanish Literature I 3 hrs
- SPW 3370 Spanish Short Story 3 hrs
- SPW 4310 Golden Age Drama 3 hrs
- SPW 4322 Contemporary Iberian Theatre 3 hrs
- SPW 4604 Cervantes 3 hrs
- ITT 3443 Dante’s Inferno 3 hrs

Department of Music
- MUH 4322 Medieval and Renaissance Music 3 hrs

Department of Philosophy
- PHH 3200 Medieval Philosophy 3 hrs
- HUM 3435 Medieval Humanities 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required 18

Other Requirements
- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

Middle Eastern Studies - Minor
College of Arts and Humanities
Program in Middle Eastern Studies, Colbourn Hall, Room: 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
- HUM 3419 Islamic Thought and Culture 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 Hebrew (HBR 1120, 1121)
- ARA 2200 Intermediate Arabic Language and Civilization I 3 hrs
- ASH 3222 Islam and Its Empires 3 hrs
- ASH 3227 The Arab-Israeli Conflict 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- HBR 2200 Intermediate Modern Hebrew I 3 hrs
- HUM 3553 Moses, Jesus and Muhammad 3 hrs
- JST 3401 Jewish People in Antiquity 3 hrs
### Minors

**JST 3402** Wanderings: The Jewish People in Dispersion  
**JST 3820** Modern Israeli Culture  
**PHH 3200** Medieval Philosophy  
**REL 2300** World Religions  

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 18

**Other Requirements**  
- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- A grade of "C" or above (2.0) is required in each course for the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### Military Science - Minor  
**College of Engineering and Computer Science**  
**Army ROTC, Army ROTC, Room: 501**  
LTC Sean Morgan  
Phone: 407-823-1872

**Minor Admission Requirements**  
- None

**Minor Requirements**  
- None

**Required Courses**  
- (16 hrs)
  
  **Required Courses**  
  - **MSL 3201C** Leadership and Problem Solving  
  - **MSL 3202C** Leadership and Ethics  
  - **MSL 4301C** Leadership and Management  
  - **MSL 4302C** Officership

  **Restricted Electives**  
  - **Select one of the following**  
    - **AMH 3541** U. S. Military History To 1900  
    - **AMH 3547** U.S. Military History Since 1900

**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.

### Non-Profit 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)
  
  **Required Courses**  
  - **1 PAF 3931** American Hum Human Services Workshop  
  - **2 PAD 4948** Nonprofit Management Internship  
  - **PAD 4144** Non-Profit Organizations

  **Restricted Electives**  
  - **Select one of the following**  
    - **1 PAF 3931** American Hum Human Services Workshop  
    - **2 PAD 4948** Nonprofit Management Internship  
    - **PAD 4144** Non-Profit Organizations

### Music - Minor  
**College of Arts and Humanities**  
**Department of Music, Colbourn Hall, Room: 205A**  
http://music.cah.ucf.edu/

**Minor Admission Requirements**  
- None

**Minor Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  
- (10 hrs)
  
  **Required Courses**  
  - **MUT 1004** Fundamentals of Music I  
  - **MUT 1121** Music Theory and Musicianship I

  **Select 1:**
  - **MUL 2010** Enjoyment of Music or  
  - **MUL 2016** Evolution of Jazz or  
  - **MUL 2720** Music of the World or  
  - **MUH 2017** Survey of Rock Music or  
  - **MUH 2019** American Popular Music, 1840s-present

**Restricted Electives**  
- **Select 1:**
### North American Indian Studies - Minor

**College of Sciences**

**Department of Anthropology,**

Howard Phillips Hall, Room: 309

[http://www.cos.ucf.edu/anthropology](http://www.cos.ucf.edu/anthropology)

**Email:** anthropology@ucf.edu

Dr. Rosalyn Howard

Phone: 407-823-2227

The North American Indian Studies minor will enhance a student’s understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for UCF undergraduates who are not majoring in Anthropology.

**Minor Admission Requirements**

- Interview with the North American Indian Studies Director.
- The minor is not open to Anthropology majors.

**Minor Requirements**

- Consultation with the Director to develop a program of study and plan course selections.
- Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.

**Prerequisite Courses**

- Students must satisfy a course’s prerequisites before enrolling in the class.

**Required Courses**

- [ANT 2000 General Anthropology](http://www.cos.ucf.edu/anthropology) (3 hrs)

**Restricted Electives**

- [ANT 3152 Indians of the Southwest](http://www.cos.ucf.edu/anthropology) (3 hrs)
- [ANT 3245 Native American Religions](http://www.cos.ucf.edu/anthropology) (3 hrs)
- [ANT 3311 Indians of the Southeastern United States](http://www.cos.ucf.edu/anthropology) (3 hrs)
- [ANT 3313 Indians of North America High Plains](http://www.cos.ucf.edu/anthropology) (3 hrs)
- [ANT 3398 Black/Seminole Relations](http://www.cos.ucf.edu/anthropology) (3 hrs)
- [ANT 4153 North American Archaeology](http://www.cos.ucf.edu/anthropology) (3 hrs)
- [ANT 4906 Directed Independent Study](http://www.cos.ucf.edu/anthropology) (3 hrs)
- [AMH 3441 History of the Frontier: Eastern America](http://www.cos.ucf.edu/anthropology) (3 hrs)
- [AMH 4110 Colonial America, 1607-1763](http://www.cos.ucf.edu/anthropology) (3 hrs)
- [AMH 4112 The Atlantic World](http://www.cos.ucf.edu/anthropology) (3 hrs)
- [AML 3640 Native American Literature](http://www.cos.ucf.edu/anthropology) (3 hrs)
- [PHH 3701 Native American Philosophy](http://www.cos.ucf.edu/anthropology) (3 hrs)

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

### Performing Arts Administration - Minor

**College of Arts and Humanities**

**Department of Music,**

Performing Arts Center, Room: M204


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 or 3 hrs
MUL 2014  Introduction to Music History and Literature 3 hrs
Take one of the following courses:
THE 2000  Theatre Survey or 3 hrs
THE 2020  Survey of Theatre for Majors 3 hrs

Minor Requirements (30 hrs)
- Minor requirement total may be either 30 or 31 hours
  (includes the admissions requirement courses) depending
  on the restricted elective selected from the Management
  courses.

Prerequisite Courses
- None

Required Courses (15 hrs)
- The internship will be a capstone experience taking
  an average of ten hours per week. Student are responsible
  for securing an internship position, which may be paid or
  unpaid, on- or off-campus, with qualifying performing arts
  organization. Students will secure approval for internship
  positions and responsibilities from the department
  curriculum committee.

- ACG 2021  Principles of Financial Accounting 3 hrs
- PAD 4144  Non-Profit Organizations 3 hrs
- TPA 4400  Theatre Management 3 hrs
- MUS 4320  Music Business and Industry 3 hrs
- Internship 3 hrs

Restricted Electives (9 hrs)
- Select three courses, one from each of the three different
  areas.
- Restricted Electives may total either 9 or 10 hours
  depending on the course selected from the Management
  area.

- Finance & Budgeting
  - FIN 2100  Personal Finance and Investments 3 hrs
  - ECO 2023  Principles of Microeconomics 3 hrs
  - ACG 2071  Principles of Managerial Accounting 3 hrs

- Management
  - MAR 3023  Marketing 4 hrs
  - MAN 3025  Management of Organizations 4 hrs
  - MAN 2021  Management 3 hrs

- Nonprofit Sector
  - PAD 4148  Volunteer Management 3 hrs
  - PAD 4147  Resource Development in the Nonprofit
    Sector 3 hrs
  - PAD 3003  Public Administration in American Society 3 hrs

- Foreign Language Requirements
  - None

- Total Semester Hours Required
  - 30

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to
  satisfy the minor.
- Grades below "C" (2.0) are not accepted
- At least 15 hours in the minor must be earned at UCF
  within the department.
- No credit by exam (TSD, Military credit) may be used.

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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
    - PHI 2011  Philosophical Reasoning or 3 hrs
    - PHI 2101  Formal Logic I or 3 hrs
    - PHI 2647  Logic and Ethics or 3 hrs
    - PHI 3131  Formal Logic II or 3 hrs
    - PHI 2108  Critical Thinking 3 hrs
  - History of Philosophy
    - PHH 3100  Ancient Philosophy or 3 hrs
    - PHH 3200  Medieval Philosophy or 3 hrs
    - PHH 3460  Modern Western Philosophy or 3 hrs
    - PHI 3600  Contemporary Philosophy 3 hrs
  - Values and Society
    - PHI 3670  Ethical Theory or 3 hrs
    - PHI 3626  Advanced Ethics in Science and
      Technology or 3 hrs
    - PHM 3401  Philosophy of Law or 3 hrs
    - PHI 3800  Aesthetics or 3 hrs
    - PHM 3123  Feminist Theories or 3 hrs
    - PHI 3638  Ethical Issues in the 21st Century or
      3 hrs
    - PHI 3625  Virtual Ethics or 3 hrs
    - PHI 4633  Ethics and Biological Science or
      3 hrs
    - PHI 3100  Freedom and Justice or
      3 hrs
    - PHI 3640  Environmental Ethics or
      3 hrs
    - PHI 4031  Environmental Philosophy or
      3 hrs
    - PHI 3701  Native American Philosophy or
      3 hrs
    - PHI 3805  Contemporary Aesthetics or
      3 hrs
  - Being and Knowing
    - PHI 4500  Metaphysics or 3 hrs
    - PHI 4341  Ways of Knowing or 3 hrs
    - PHI 4300  Theories of Knowledge or
      3 hrs
    - PHI 3700  Philosophy of Religion or
      3 hrs
    - PHI 4400  Philosophy of Science or
      3 hrs
    - PHI 3320  Philosophy of Mind or
      3 hrs
    - PHI 3451  Philosophy of Psychology or
      3 hrs
    - PHI 4420  Philosophy of Social Science or
      3 hrs
    - PHI 3323  Minds and Machines: Philosophy of
      Cognitive Science or 3 hrs
    - PHP 4782  Phenomenology or 3 hrs
    - PHI 4221  Philosophy of Language or 3 hrs
  - Topics in Philosophy
    - PHI 4931  Philosophy in the News or 3 hrs
    - PHI 4931  Philosophies of Embodiment: Mind/Body/
      Self or 3 hrs
    - PHM 3022  Sexuality, Gender & Philosophy or
      3 hrs
## Philosophy, Religion and Popular Culture - Minor

### College of Arts and Humanities

#### Department of Philosophy,
Psychology Building, Room: 220


**Email:** philosophy2@ucf.edu

Dr. Shelley Park, Shelley.Park@ucf.edu, 407-823-2273

The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

### Minor Admission Requirements

- **None**

### Minor Requirements

- **None**

### Prerequisite Courses

- **None**

### Required Courses

- **(21 hrs)**
  - **NOTE:** Appropriate special topics in philosophy, religious studies, or humanities may be substituted for some core courses with prior approval by departmental advisor.

#### Theoretical Foundations

**6 hrs**

- **Take all of the following:**
  - PHI 3684 Ways of Living and Knowing 3 hrs
  - PHI 4341 Ways of Knowing 3 hrs

### Philosophy

**3 hrs**

- **Select 1:**
  - PHI 2101 Formal Logic I or 3 hrs
  - PHI 3670 Ethical Theory or 3 hrs
  - PHI 3700 Philosophy of Religion or 3 hrs
  - PHI 3800 Aesthetics or 3 hrs
  - PHM 3100 Freedom and Justice or 3 hrs
  - PHI 3720 Faith and Reason or 3 hrs
  - PHP 3786 Existentialism or 3 hrs
  - PHI 4804 Critical Theory or 3 hrs
  - PHI 4300 Theories of Knowledge 3 hrs

### Restricted Electives

- **(6 hrs)**
  - Must consult an advisor for approved courses in this area.
  - **Note:** Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

### Foreign Language Requirements

- **None**

### Total Semester Hours Required

- **21**

### Other Requirements

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

### Religion

**3 hrs**

- **Select 1:**
  - CLT 3378 Comparative Mythology or 3 hrs
  - HUM 3552 Christian Thought or 3 hrs
  - HUM 3553 Moses, Jesus and Muhammad or 3 hrs
  - HUM 3417 Hindu Thought and Culture or 3 hrs
  - HUM 3419 Islamic Thought and Culture or 3 hrs
  - HUM 4303 The Spiritual Ideal or 3 hrs
  - HUM 4554 Religious Quest and Human Dilemma or 3 hrs
  - PHI 3750 The Problem of Evil or 3 hrs

### Popular Culture Studies

**9 hrs**

- Select at least one course from Contemp. Media
- Select at least one course from Contemp. Forms of Life

#### Contemp. Media

**Select 1:**

- HUM 3320 Contemporary Multicultural Studies or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4556 Religion and the Arts or 3 hrs
- PHI 3625 Virtual Ethics or 3 hrs
- PHI 4931 Philosophy in the News or 3 hrs
- POS 3253 Mass Media and Politics or 3 hrs
- POS 3258 Politics in Film or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
- SYP 3630 Popular Culture In Society 3 hrs

#### Contemp. Forms of Life

**Select 1:**

- ANT 3302 Sex, Gender and Culture or 3 hrs
- HUM 3525 Contemporary Humanities or 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 3629 Family Values or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- PHM 3401 Philosophy of Law or 3 hrs
- REL 3131 Religion in America or 3 hrs

### Restricted Electives

- **None**

### Foreign Language Requirements

- **None**

### Total Semester Hours Required

- **21**

### Other Requirements

- A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### Physics - Minor

#### College of Sciences

#### Department of Physics, Physical Sciences, Room: 430


**Email:** physics@ucf.edu

Dr. Talat Rahman

Phone: 407-823-2325

### Minor Admission Requirements

- The minor is not open to Physics majors.

### Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.
Prerequisite Courses  
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)  
- PHY 2048C Physics for Engineers & Scientists I 4 hrs  
- PHY 2049C Physics for Engineers and Scientists II 4 hrs  
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Restricted Electives (9 hrs)  
- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements  
- None

Total Semester Hours Required  
- 20

Other Requirements  
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Political Science - Minor  
College of Sciences  
Department of Political Science,  
Howard Phillips Hall, Room: 302  
http://www.cos.ucf.edu/politicalscience  
Email: politics@ucf.edu  
Dr. Kerstin Hamann  
Phone: 407-823-2608

Minor Admission Requirements  
- Double major/dual degree policy in Political Science programs and minors:  
  1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.  
  2. Students who major in International and Global Studies, and minor in Political Science/Prelaw, shall not count more than one course toward both programs, except the following:  
    - POS 2041 American National Government 3 hrs

Minor Requirements  
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.  
- Grades below “C” (2.0) in lower level courses are not accepted.  
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

Prerequisite Courses  
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)  
- POS 2041 American National Government 3 hrs  
- POS 4284 Judicial Process and Politics 3 hrs

Restricted Electives (12 hrs)  
- Select 1: 3 hrs  
  - INR 4401 International Law or 3 hrs  
  - POS 4603 American Constitutional Law I or 3 hrs  
  - POS 4604 American Constitutional Law II 3 hrs

Restricted Upper Division Electives 9 hrs  
- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, PUP and one GEO - World Political Geography are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).  
- Only three hours of the following course may be counted:  
  - POS 4941L Political Science Internship 3 hrs

Foreign Language Requirements  
- None

Total Semester Hours Required  
- 18

Other Requirements  
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.
Minors

Psychology - Minor
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/
Email: psychadvising@ucf.edu
Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas; Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements
■ The minor is not open to psychology majors.

Minor Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Students must maintain a minimum GPA of “C” (2.0) in the minor.
■ At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (10 hrs)
PSY 2012 General Psychology 3 hrs
PSY 3204C Statistical Methods in Psychology 4 hrs

Select one statistics course: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Restricted Electives (15 hrs)
A. Experimental
Select 1: 3 hrs
EXP 3204C Perception or 4 hrs
EXP 3404C Basic Learning Processes or 3 hrs
EXP 3604C Cognitive Psychology or 4 hrs
PSB 4240C Neuropsychology or 4 hrs
EXP 3640 Psychology of Language 3 hrs

B. Personality/Social
Select 1: 3 hrs
PPE 3003C Personality Theory and Research or 3 hrs
SOP 3004C Social Psychology 3 hrs

C. Developmental
Select 1: 3 hrs
DEP 2804C Developmental Psychology or 3 hrs
DEP 3202 Psychology of Exceptional Children or 3 hrs
DEP 3464 Psychology of Aging 3 hrs

D. Diversity
Select 1: 3 hrs
CLF 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 4906 Directed Independent Study 3 hrs
PSY 4912 Directed Independent Research 3 hrs
1 PSY 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 II, Room: 238
Email: pa/ba/bs@ucf.edu
Dr. Michael Abels, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (21 hrs)
PAD 3003 Public Administration in American Society 3 hrs
PAD 4004 The Administration of Public Policy 3 hrs
PAD 4104 Administrative Theory 3 hrs
PAD 4204 Fiscal Management 3 hrs
PAD 4414 Public Personnel Administration 3 hrs
PAD 4720 Survey Research in Public Administration 3 hrs
PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A minimum GPA of 2.0 is required in each course used to satisfy the minor.
■ Students must earn at least a 2.0 (“C”) to earn credit.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor without prior approval.

Real Estate - Minor
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
Students seeking advising must go to BA 2 room 101.
http://www.bus.ucf.edu/realestate/
Phone: 407-823-3575

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ 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.

Prerequisite Courses
(a) (6 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Undergraduate Catalog 2012-2013
### Recreation - Minor

#### College of Education

**Department of Child, Family and Community Sciences, Education Building, Room: 209**
Patty Lanier, Patty.Lanier@ucf.edu, 407-823-0623

This minor will assist students who wish to work in recreation areas such as YMCA’s, Boys and Girls Clubs, after school programs, sports for children programs, theme park and resort recreation programs. This minor is available for students in the 2007 catalog year and beyond.

#### Minor Admission Requirements
- 2.5 GPA
- None

#### Prerequisite Courses
- None

#### Required Courses
- **(9 hrs)**
  - DAE 3370 Dance and Rhythms
  - PET 3771 Strength and Conditioning Concepts
  - PET 4050C Motor Development and Learning
  - PET 4312C Kinesiology/Biomechanics
  - SPM 3130 Aquatic Management
  - PET 4002 Outdoor and Leisure Activities
  - SPM 3204 Sports and Ethics

#### Restricted Electives
- **(9 hrs)**
  - Select 3:
    - 9 hrs
    - DAE 3370 Dance and Rhythms
    - PET 3771 Strength and Conditioning Concepts
    - PET 4050C Motor Development and Learning
    - PET 4312C Kinesiology/Biomechanics
    - SPM 3130 Aquatic Management
    - PET 4002 Outdoor and Leisure Activities
    - SPM 3204 Sports and Ethics

### Religious 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

The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology, Art, English, History, Judaic Studies, Philosophy, Political Science, Psychology, and Sociology, and are to be selected in consultation with the Religious Studies advisor.

#### Minor Admission Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses
- **(3 hrs)**
  - REL 2300 World Religions

#### Restricted Electives
- **(18 hrs)**
  - (Select from the following courses)
  - **Religion, Humanities, Classics, and Political Science courses**
    - CLT 3370 Classical Mythology or
      - 3 hrs
    - CLT 3379 Comparative Mythology or
      - 3 hrs
    - HUM 3320 Contemporary Multicultural Studies or
      - 3 hrs
    - HUM 3401 Asian Humanities or
      - 3 hrs
    - HUM 3417 Hindu Thought and Culture or
      - 3 hrs
    - HUM 3419 Islamic Thought and Culture or
      - 3 hrs
    - HUM 3552 Christian Thought or
      - 3 hrs
    - HUM 4303 The Spiritual Ideal or
      - 3 hrs
    - HUM 4330 Performance Theory or
      - 3 hrs
    - HUM 4554 Religious Quest and Human Dilemma or
      - 3 hrs
    - PHI 3033 Philosophy, Religion, and the Environment or
      - 3 hrs
    - PHI 3638 Ethical Issues in the 21st Century or
      - 3 hrs
    - PHI 3672 Animal Ethics or
      - 3 hrs
    - PHI 3684 Ways of Living or
      - 3 hrs
    - PHI 3700 Philosophy of Religion or
      - 3 hrs
    - PHI 4521 Philosophies of Embodiment: Mind/Body/Self or
      - 3 hrs
    - PHI 4314 Ways of Knowing or
      - 3 hrs
    - PHI 4804 Critical Theory or
      - 3 hrs
    - PHM 3020 Philosophy of Love or
      - 3 hrs
    - PHM 3100 Freedom and Justice or
      - 3 hrs
    - PHP 3786 Existentialism or
      - 3 hrs
    - REL 3111 Religion and Philosophy Through Film or
      - 3 hrs
    - REL 3115 Religion, Spirituality, and Popular Music or
      - 3 hrs
    - REL 3131 Religion in America or
      - 3 hrs
    - REL 3340 Buddhist Thought or
      - 3 hrs
Minors

Secure Computing and Networks - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ CIS 3360 Security in Computing 3 hrs
■ CIS 3362 Cryptography and Information Security 3 hrs

Restricted Electives
■ Elective Courses: Select any four courses from the following list.

Select 4:
■ CNT 4403 Network Security and Privacy or 3 hrs
■ CNT 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

Science Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-1862

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
■ Have a minimum 2.5 overall GPA
■ Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ A C- or better is required in these courses (19 hrs)
■ EDG 4410 Teaching Strategies and Classroom Management 3 hrs
■ EDF 4467 Learning Theory and Assessment 3 hrs

Restricted Electives
■ Note: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.
■ AML 3615 Harlem, Haiti, and Havana or 3 hrs
■ ANT 3241 Magic, Ritual, and Belief or 3 hrs
■ ANT 3245 Native American Religions or 3 hrs
■ ASH 3222 Islam and Its Empires or 3 hrs
■ ASH 3223 The Modern Middle East or 3 hrs
■ JST 3005 Tenets of Judaism or 3 hrs
■ JST 3125 The Book of Job or 3 hrs
■ JST 3144 Dead Sea Scrolls or 3 hrs
■ JST 3401 Jewish People in Antiquity or 3 hrs
■ JST 3402 Wanderings: The Jewish People in Dispersion or 3 hrs
■ JST 3500 Introduction of Modernism into Judaism or 3 hrs
■ JST 3701 History of the Holocaust or 3 hrs
■ JST 3751 Literature of the Holocaust or 3 hrs
■ JST 3810 The Jewish National Movement and Roots of Zionism or 3 hrs
■ LIT 3202 Death and Dying or 3 hrs
■ LIT 4374 Literature of the Bible or 3 hrs
■ POT 4632 Religion and Politics or 3 hrs
■ SYO 4200 Religion in Society 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

International Studies - Minor
College of Social Sciences and Public Affairs
Department of Social Science,
College of Engineering and Computer Science
Secure Computing and Networks - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ CIS 3360 Security in Computing 3 hrs
■ CIS 3362 Cryptography and Information Security 3 hrs

Restricted Electives
■ Elective Courses: Select any four courses from the following list.

Select 4:
■ CNT 4403 Network Security and Privacy or 3 hrs
■ CNT 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

Restrictions and Restrictions
■ A 'C' (2.0) grade or better is required in all courses used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.

Required Courses
■ 6 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Restrictions and Restrictions
■ Students who see an advisor prior to registering for classes.
■ Students must complete 18 hrs of courses in science as co-requisites.
■ Recommended courses include: BSC 2010, BSC 2011, CHM 2045, CHM 2046, PHY 2053 or PSC 1121
■ At least 12 hours in the minor must be earned at UCF.
■ Obtain a minimum 2.5 GPA in courses required for minor.

Restrictions and Restrictions
■ Note: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.
■ AML 3615 Harlem, Haiti, and Havana or 3 hrs
■ ANT 3241 Magic, Ritual, and Belief or 3 hrs
■ ANT 3245 Native American Religions or 3 hrs
■ ASH 3222 Islam and Its Empires or 3 hrs
■ ASH 3223 The Modern Middle East or 3 hrs
■ JST 3005 Tenets of Judaism or 3 hrs
■ JST 3125 The Book of Job or 3 hrs
■ JST 3144 Dead Sea Scrolls or 3 hrs
■ JST 3401 Jewish People in Antiquity or 3 hrs
■ JST 3402 Wanderings: The Jewish People in Dispersion or 3 hrs
■ JST 3500 Introduction of Modernism into Judaism or 3 hrs
■ JST 3701 History of the Holocaust or 3 hrs
■ JST 3751 Literature of the Holocaust or 3 hrs
■ JST 3810 The Jewish National Movement and Roots of Zionism or 3 hrs
■ LIT 3202 Death and Dying or 3 hrs
■ LIT 4374 Literature of the Bible or 3 hrs
■ POT 4632 Religion and Politics or 3 hrs
■ SYO 4200 Religion in Society 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Restrictions and Restrictions
■ A 'C' (2.0) grade or better is required in all courses used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.

Required Courses
■ 6 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ None

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.

Restrictions and Restrictions
■ Note: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.
■ AML 3615 Harlem, Haiti, and Havana or 3 hrs
■ ANT 3241 Magic, Ritual, and Belief or 3 hrs
■ ANT 3245 Native American Religions or 3 hrs
■ ASH 3222 Islam and Its Empires or 3 hrs
■ ASH 3223 The Modern Middle East or 3 hrs
■ JST 3005 Tenets of Judaism or 3 hrs
■ JST 3125 The Book of Job or 3 hrs
■ JST 3144 Dead Sea Scrolls or 3 hrs
■ JST 3401 Jewish People in Antiquity or 3 hrs
■ JST 3402 Wanderings: The Jewish People in Dispersion or 3 hrs
■ JST 3500 Introduction of Modernism into Judaism or 3 hrs
■ JST 3701 History of the Holocaust or 3 hrs
■ JST 3751 Literature of the Holocaust or 3 hrs
■ JST 3810 The Jewish National Movement and Roots of Zionism or 3 hrs
■ LIT 3202 Death and Dying or 3 hrs
■ LIT 4374 Literature of the Bible or 3 hrs
■ POT 4632 Religion and Politics or 3 hrs
■ SYO 4200 Religion in Society 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Restrictions and Restrictions
■ A 'C' (2.0) grade or better is required in all courses used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF.
■ Obtain a minimum 2.5 GPA in courses required for minor.
**Social Science Education - Minor**

**College of Education**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**

[http://education.ucf.edu/ssed/](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, 407-823-5430

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

**Minor Admission Requirements**

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses** (19 hrs)

- EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- EDF 4467 Learning Theory and Assessment (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools through Grade 12 (3 hrs)
- RED 4043 Content Reading in Kindergarten through Grade 12 (3 hrs)
- SSE 4361 Social Science Instructional Analysis (3 hrs)
- SSE 4936 Programs in Teaching Social Science (3 hrs)

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 19

**Other Requirements**

- Students should see an advisor prior to registering for classes.
- Students must complete 18 hrs of courses in science as co-requisites.
- At least 12 hours in the minor must be earned at UCF.
- Obtain a minimum 2.5 GPA in courses required for minor.

---

**Spanish - Minor**

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**


**Email:** flfacult@ucf.edu

Dr. Paul Giordano, 407-823-2472

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- None

**Restricted Electives** (18 hrs)

- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.
- Select six upper division courses in Spanish, including the following courses:
  - SPN 3300 Advanced Spanish Grammar and Composition (3 hrs)
  - SPN 3760 Advanced Spanish Oral Communication (3 hrs)
  - SPN 3420 Spanish Composition (3 hrs)

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

---

**Sociology - Minor**

**College of Sciences**

**Department of Sociology, Howard Phillips Hall, Room: 403**

[http://sociology.ucf.edu/](http://sociology.ucf.edu/)

**Email:** sociology@ucf.edu

Dr. J. Jasinski, Jana.Jasinski@ucf.edu

Phone: 407-823-3744

**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.
- No more than 3 hours of Independent Study credit can be used toward the minor.
### Sport Business Management (SPB): Business Minor - Minor

**College of Business Administration**  
DeVos Sport Business Management,  
Business Administration II, Room: 205  
[http://www.bus.ucf.edu](http://www.bus.ucf.edu)  
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharrison@bus.ucf.edu, 407-823-1158

Open to Business majors only. Minor will only be awarded at the time of business degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

**Minor Admission Requirements**  
- Completion of Common Program Prerequisites and Admission to a major within the College of Business Administration

**Minor Requirements**  
- None

**Required Courses** *(12 hrs)*

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPB 3003</td>
<td>Introduction to Sport Business Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3603</td>
<td>Diversity and Social Issues in Sport Business Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3823</td>
<td>The Role of Business Entrepreneurship in Sports/Entertainment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4711</td>
<td>Sport Marketing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives** *(6 hrs)*

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4701</td>
<td>Business Ethics and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 4304</td>
<td>Sports Event and Facility Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 4804</td>
<td>Sport Business and Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4824</td>
<td>Business Law in Sport &amp; Entertainment</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Business Law in Sport & Entertainment

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 18

**Other Requirements**  
- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of a “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.

### Sport Business Management (SPB): Minor for Non-Business Majors - Minor

**College of Business Administration**  
DeVos Sport Business Management,  
Business Administration II, Room: 205  
[http://www.bus.ucf.edu](http://www.bus.ucf.edu)  
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharrison@bus.ucf.edu, 407-823-1158

Open to Non-Business Majors only. A 2.5 GPA in the minor is required in order to receive this minor.

**Minor Admission Requirements**  
- None

**Minor Requirements**  
- None

**Prerequisite Courses** *(7 hrs)*

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Required Courses** *(9 hrs)*

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPB 3003</td>
<td>Introduction to Sport Business Management</td>
<td>3 hrs</td>
</tr>
<tr>
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<td>Diversity and Social Issues in Sport Business Management</td>
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<tr>
<td>SPB 3823</td>
<td>The Role of Business Entrepreneurship in Sports/Entertainment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 4711</td>
<td>Sport Marketing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives** *(6 hrs)*

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPB 4304</td>
<td>Sports Event and Facility Management</td>
<td>3 hrs</td>
</tr>
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<td>Sport Business and Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4824</td>
<td>Business Law in Sport &amp; Entertainment</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 18

**Other Requirements**  
- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of a “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.
Statistics - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/

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
- 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
Department of Educational and Human Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/

Email: jwhitema@mail.ucf.edu
Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu,
407-325-6293
Phone: 407-823-2848

The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not intended for students admitted to a degree program in the College of Education and does not lead to teacher certification or admission to the College of Education. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Must be Junior standing

Other Requirements
- 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.

Required Courses (18 hrs)
- ADE 4382  Teaching Adult Learners in Technical Programs  3 hrs
- ECT 4384  Advanced Teaching Techniques for Career Education  3 hrs
- ECT 3062  Professional Roles of the Career & Technical Teacher  3 hrs
- ECT 3367  Evaluation of Career & Technical Education Instruction  3 hrs
- ECT 4184  Curriculum Development Techniques for Industry Training  3 hrs
- ECT 4004  Principles and Practices of Technical Education  3 hrs

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- 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.

Technological Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration, Room: 309
http://www.cel.ucf.edu

Email: cford@bus.ucf.edu
Cameron Ford, cford@bus.ucf.edu
Phone: 407-823-5569

The Technological Entrepreneurship Minor offers students an opportunity to blend deep discipline-specific expertise with broad entrepreneurial thinking skills. Combining disciplinary depth with entrepreneurial breadth promotes the introduction of innovations to society and creates economic rewards to those who champion those innovations. This minor will prepare students in any engineering, science, technology or business discipline to create, enhance or manage a technology venture. Topics covered would include evaluating opportunities for commercializing innovations, analyzing markets and competitors, assessing options for protecting intellectual property, and exploring options for establishing and financing technology ventures.

Minor Admission Requirements
- None

Other Requirements
- 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 (9 hrs)
- GEB 3113  How to Start a Business  3 hrs
- GEB 4110  Business Plan Preparation  3 hrs
- GEB 4152  Technological Entrepreneurship  3 hrs
## Minors

### Theatre - Minor

#### College of Arts and Humanities

##### Department of Theatre, Performing Arts Center, Room: T210A


**Email:** theatre@ucf.edu

Earl Weaver, earl.weaver@ucf.edu, 407-823-2862

**Minor Admission Requirements**
- A successful interview and current resume

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>(15 hrs)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2304</td>
<td>Script Analysis 3 hrs</td>
</tr>
<tr>
<td>THE 3311</td>
<td>Theatre History and Dramatic Literature I 3 hrs</td>
</tr>
<tr>
<td>TPP 2101</td>
<td>Fundamentals of Acting 3 hrs</td>
</tr>
<tr>
<td>TPA 2201</td>
<td>Technical Theatre Production 2 hrs</td>
</tr>
<tr>
<td>TPA 2201L</td>
<td>Technical Theatre Production Lab 1 hr</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>3 hrs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2000</td>
<td>Theatre Survey 3 hrs</td>
</tr>
<tr>
<td>THE 2020</td>
<td>Survey of Theatre for Majors 3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>(3 hrs)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

**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.

### Urban and Regional Planning - Minor

#### College of Health and Public Affairs

##### School of Public Administration, Health and Public Affairs II, Room: 238

**Email:** pa/ba/bs@ucf.edu

Jay Jurie, 407-823-2604

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>(21 hrs)</th>
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<tbody>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning 3 hrs</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>Information Systems for Public Managers and Planners 3 hrs</td>
</tr>
<tr>
<td>PAD 4331</td>
<td>Land Use and Planning 3 hrs</td>
</tr>
<tr>
<td>PAD 4334</td>
<td>Urban Design 3 hrs</td>
</tr>
<tr>
<td>PAD 4253</td>
<td>Community &amp; Economic Development 3 hrs</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program Management 3 hrs</td>
</tr>
<tr>
<td>PAD 4803</td>
<td>Issues in Urban Administration 3 hrs</td>
</tr>
</tbody>
</table>
Women's Studies - Minor
College of Arts and Humanities
Program in Women's Studies,
Colbourn Hall, Room: 411A
http://womensstudies.cah.ucf.edu/
Email: womenst@ucf.edu
Dr. M.C. Santana, 407-823-2269
Phone: 407-823-6502

The Women's Studies minor provides students with an opportunity to learn about women's historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from the departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women's Studies Program.

Minor Admission Requirements
- None

Minor Prerequisite Requirements
- None

Required Courses
- None

Select 3:
- 3 hrs

Restricted Electives
- 3 hrs

Suggested Courses
- Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field.
- 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
- At least 15 hours used to satisfy the minor must be earned at UCF within the department.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.

Women's Studies Disciplinary Approaches
- 3 hrs

Women's History
- 3 hrs

Representations of Women
- 3 hrs

Women's Wellness
- 3 hrs

Women and Social Policy
- 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, military credit) may be used.

World Comparative Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@mail.ucf.edu
Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.
Minors

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses

- (3 hrs)
  - IDS 3333: World Comparative Studies

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 advisor. 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 3815: Harlem, Haiti, and Havana
- ANT 3610: Language and Culture
- ANT 3145: Archaeology of Complex Societies
- ANT 3319: Anthropology of Diaspora
- ANT 3212: Peoples of the World
- ANT 4702: Culture, Power and Development
- FSS 3008: Culture and Cuisine
- HFT 4866: Exploring Wines of the World
- HFT 3868: History and Culture of Wine
- HFT 4894: International Gastronomy
- HUM 3419: Islamic Thought and Culture

Economics

- ANT 4702: Culture, Power and Development
- ECO 3703: International Microeconomics
- ECO 4713: International Macroeconomics
- ECS 4013: Development Economics
- ECP 3302: Economics and the Environment
- HFT 3700: Tourism Management
- INR 4035: International Political Economy
- ECO 4701: Seminar in Global Economic Policy

Biological and Geophysical Environment

- IDS 3150: Foundations of Environmental Studies
- ECP 3302: Economics and the Environment
- SYD 4510: Environment and Society
- HFT 4735: Tourism Geography
- INR 4351: International Environmental Law
- ENV 3001: Introduction to Environmental Engineering
- GIS 3043C: GIS for Environmental Studies
- PHI 3033: Philosophy, Religion, and the Environment
- PHI 3640: Environmental Ethics

Social Structure and Change

- ANT 3145: Archaeology of Complex Societies
- ANT 3273: Law and Culture
- ANT 4702: Culture, Power and Development
- PLA 4830: World Legal Systems
- SYP 4454: Global Inequality and Society

Media and Communication

- FIL 3845: World Cinema Traditions
- COM 4461: Intercultural Communication
- LIN 4643: Cross Cultural Communication
- THE 4212: Global Theatre
- FIL 3842: International Cinema

World Independent Specialization

- Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

Foreign Language Requirements

- Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

Total Semester Hours Required
- 18

Other Requirements

- A grade of “C” (2.0) or above is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.

Writing and Rhetoric - Minor
College of Arts and Humanities
Department of Writing and Rhetoric,
Colbourn Hall, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/
Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057
Dr. Amy Barnickel, Advisor, amy.barnickel@ucf.edu, 407-823-0349

The Minor in Writing and Rhetoric will provide students with in-depth writing preparation grounded in the discipline of writing and rhetoric studies. The curriculum emphasizes writing as civic and community engagement.

Minor Admission Requirements

Transfer Notes

- Transfer courses in which students earned lower than a “C” (2.0 GPA) will not be accepted.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

Minor Requirements

- Students must earn a minimum GPA of 2.5 in coursework used to satisfy the minor.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
- Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

Prerequisite Courses

- (3 hrs)
  - ENC 1102: Composition II

Required Courses

- (3 hrs)
  - ENC 1102: Composition II

Restricted Electives

- (9 hrs)
  - One course from each of the three Department of Writing and Rhetoric curricular clusters (see below).

Public, Professional and Disciplinary Writing

- ENC 3250: Professional Writing
- ENC 3310: Magazine Writing I
- ENC 3311: Essay as Cultural Commentary
- ENC 3351: Writing for Publication
- ENC 3454: Topics in Public, Professional, and Disciplinary Writing
- ENC 3315: Advanced Argumentative Writing
- ENC 4416: Writing in Digital Environments
- ENC 4354: Community Based Research and Writing
- ENC 4212: Professional Editing
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3330</td>
<td>Rhetorical Traditions</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3417</td>
<td>Writing, Literacy, and Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3373</td>
<td>Alternative Rhetorics</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3372</td>
<td>Topics in Rhetoric and Writing Histories</td>
<td>3</td>
</tr>
<tr>
<td>ENC 4504</td>
<td>Contemporary Composition Theory</td>
<td>3</td>
</tr>
<tr>
<td>ENC 4523</td>
<td>Writing and Identity</td>
<td>3</td>
</tr>
<tr>
<td>ENC 4374</td>
<td>Gendered Rhetorics</td>
<td>3</td>
</tr>
<tr>
<td>LIN 4600</td>
<td>Language and Society</td>
<td>3</td>
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**Rhetoric and Writing Histories and Theories**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 3372</td>
<td>Topics in Rhetoric and Writing Histories and Theories</td>
<td>3</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

Students must also take two courses from among the following:

- Any course offered by the Department of Writing and Rhetoric not used to satisfy another requirement of the minor.
- Any 3000 or 4000 level ENC technical communication course.
- Any 3000 or 4000 level approved Gordon Rule course including:
  - CRW 3011 Creative Writing for Non-Majors 3 hrs
  - CRW 3053 Theory & Practice of Creative Writing 3 hrs
  - PLA 3108 Legal Research 3 hrs
  - PLA 3155 Legal Writing 3 hrs
Aging Studies - Certificate
College of Health and Public Affairs
School of Social Work,
Health and Public Affairs I, Room: 204
Email: socialwk@ucf.edu
BSW Coordinator
Phone: 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed 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
- SOW 4510 Field Education 3 hrs

Required Internship (Select one) 3 hrs
1 SOW 4941 Internship 3 hrs
2 HSA 4941 Internship 3 hrs
3 PSY 3951 Undergraduate Field Work 3 hrs
4 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 in their College must be taken and at least one course must be outside their college.

College of Health and Public Affairs (6 hrs)
- HSA 4220 Long Term Patient Management 3 hrs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- SYP 3740 Social Work Practice with Loss & Life's Transitions 3 hrs

Other Colleges (3 hrs)
- DEP 3464 Psychology of Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
1 GEY 5007 Women and Healthy Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Behavioral Forensics - Certificate
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psych.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 (9 hrs)
- Students must satisfy each course’s prerequisites before enrolling in the class.

Select 1: 6 hrs
- Complete one introductory course:
  - PSY 2012 General Psychology or 3 hrs
  - SYG 2000 Introduction to Sociology 3 hrs

Take all of the following: 6 hrs
- Complete both classes:
  - PPE 3003C Personality Theory and Research and 3 hrs
  - SYP 3510 Sociology of Deviant Behavior 3 hrs

Required Courses (9 hrs)
- CLP 4390 Forensic Psychology 3 hrs
- SOP 3751 Legal Aspects of Psychology 3 hrs
- SYP 3520 Criminology 3 hrs

Restricted Electives (12 hrs)
- Note: It is the student’s responsibility to meet all prerequisites for every course selected.

Psychology: Select from the following: 3 hrs
- CLP 3143 Abnormal Psychology 3 hrs
- CLP 3302 Clinical Psychology 3 hrs
- CLP 4154 Child Psychology 3 hrs
- PCO 4203 Interviewing and Counseling 4 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 3662 Patterns of Domestic Violence in Society 3 hrs
- SYP 3514 Patterns of Violence in Society 3 hrs
- SYP 4521 Crime Victims in Society 3 hrs
- SYP 4536 Gangs and Society 3 hrs
Certificates

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
- CJ 3662 CJ Information Technology and Data Management 3 hrs
- CJ 4663 Crime Mapping and Pattern Analysis 3 hrs
- CCJ 4076 Crime Intelligence and Investigative Support Analysis 3 hrs

Restricted Electives
- Select two of the following:
  - CCJ 3451 Justice System Technology 3 hrs
  - CCJ 3444 Crime Prevention 3 hrs
  - CCJ 4654 Crime and Place 3 hrs
  - CCJ 3450 The Criminal Justice Manager 3 hrs
  - CCJ 4352 Policy Development in Law Enforcement 3 hrs
  - CCJ 4572 Justice Agency Operations 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice
- No credit by exam (TSD, Military credit) may be used
- Internship or Independent Study credit may not be used toward the program

Crime Scene Investigation - Certificate
College of Health and Public Affairs
College of Sciences
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Department of Anthropology, Phillips Hall, Room: 403
David Fabianic, fabianic@ucf.edu, 407-823-2603
Dr. John Schultz, jschultz@ucf.edu, 407-823-2618
Mary Ann Eastep, cjadvise@ucf.edu, 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform...
## Certificates

Basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements
- None

### Certificate Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4183</td>
<td>Archaeological Sciences</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4521</td>
<td>Forensic Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4012</td>
<td>Criminal Profiling in Criminal Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4610</td>
<td>Criminal Investigation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (3 hrs)
- Select from the following courses:
  - ANT 3115 Archaeological Method and Theory 3 hrs
  - CCJ 4195 Interviews & Interrogations in CJ 3 hrs
  - CHS 3501 Introduction to Forensic Science 3 hrs
  - CJE 4630 Serial Murder and Criminal Justice 3 hrs
  - SYP 3511 Sociology of Murder 3 hrs

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 15

### Other Requirements
- Course substitutions must be approved by both departments in advance.

## Criminal Profiling - Certificate

### College of Health and Public Affairs

#### Department of Criminal Justice,

**Health and Public Affairs I, Room: 311**

David Fabianic, fabianic@ucf.edu, 407-823-2603

Mary Ann Eastep, cjadvise@ucf.edu, 407-823-2603

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today’s law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements
- None

### Certificate Requirements
- 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 3143</td>
<td>Abnormal Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4630</td>
<td>Serial Murder and Criminal Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4690</td>
<td>Sex Offenders and the Criminal Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4012</td>
<td>Criminal Profiling in Criminal Justice</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (3 hrs)
- Select one of the following:
  - DSC 4012 Terrorism 3 hrs
  - CJE 4610 Criminal Investigation 3 hrs
  - CCJ 4195 Interviews & Interrogations in CJ 3 hrs

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 15

### Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

## Cultural Tourism - Certificate

### Office of Undergraduate Studies

**Office of Interdisciplinary Studies,**

**Classroom I, Room: 302**

[http://www.is.ucf.edu](http://www.is.ucf.edu)

**Email:** is@mail.ucf.edu

**Phone:** 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

### Certificate Admission Requirements
- None

### Certificate Requirements
- None

### Prerequisite Courses
- None

#### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3700</td>
<td>Tourism Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3700</td>
<td>Tourism Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4735</td>
<td>Tourism Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4303</td>
<td>Anthropology of Tourism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (6 hrs)
- Choose two classes from one of the following areas:
  - African American Heritage area (choose two classes)
    - AFA 3104 The Black Intellectual Experience 3 hrs
    - AFA 4105 Documenting African American Heritage and Life 3 hrs
    - SYD 3700 Race and Ethnicity 3 hrs
  - Anthropology area (choose two classes)
    - ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
    - ANT 3212 Peoples of the World 3 hrs
    - ANT 2410 Cultural Anthropology 3 hrs
    - ANT 3115 Archaeological Method and Theory 3 hrs
    - ANT 3701 Applied Anthropology 3 hrs
  - Environmental Tourism area (choose two classes)
    - BOT 3152C Local Flora 3 hrs
    - PCB 3442 Aquatic Ecology 3 hrs
Select two courses from the following list: 6 hrs

Restricted Electives (6 hrs)

Required Courses (9 hrs)

Prerequisite Courses

Certificate Requirements

Foreign Language Requirements

Total Semester Hours Required

Other Requirements

Foreign Language Requirements

Diplomacy - Certificate
College of Sciences
College of Arts and Humanities
Department of Political Science,
Howard Phillips Hall, Room: 302
Department of History, Colburn Hall, Room: 551
http://politicallsence.cos.ucf.edu/

Dr. K. Hamann, Kerstin.Hamann@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

Certificate Requirements

A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.

Prerequisite Courses

Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)

INR 4030 Diplomacy 3 hrs
ANH 4513 United States as a Great Power: 3 hrs
1945-Present
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 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
EUA 4620 European Great Powers: 1815-1914 3 hrs

Foreign Language Requirements

None

Total Semester Hours Required

15

Other Requirements

Foreign Language Requirements

None

Educational Studies - Certificate
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/es/
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 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 degree certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education. An Educational Studies minor that includes a sixth course is also an option. This certificate is available for students in the 2007 catalog year and beyond.

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses (12 hrs)

EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Restricted Electives (3 hrs)

Choose one:

MAE 4634 Programs in Teaching of Mathematics 3 hrs
SSE 4936 Programs in Teaching Social Science 3 hrs
LAE 4464 Survey of Adolescent Literature 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Foreign Language Requirements

None

Total Semester Hours Required

15

Other Requirements

Foreign Language Requirements

None

A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.

A minimum GPA of 2.5 of all Gordon Rule classes is required.
Certificates

- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

Finance: Banking - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator and a banking faculty member.

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 4324 Commercial Bank Management 3 hrs
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs

Select 1:
- MAR 3391 Professional Selling or 3 hrs
- FIN 4941 Finance Internship 3 hrs

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 at only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4941 Finance Internship 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

Finance: Corporate Finance - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4941 Finance Internship 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

Judaic Studies - Certificate
College of Arts and Humanities
Program in Judaic Studies,
Colbourn Hall, Room: 415 E-J
http://judaicstudies.cah.ucf.edu/
Email: judaiest@ucf.edu
Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies, Women's Studies, Religious Studies, and Middle Eastern Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies...
## Language Development and Disorders - Certificate

Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101

http://www.cohpa.ucf.edu/comdis

Email: advising@ucf.edu

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults.

Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements
- None

### Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses (11 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBR 1120 Elementary Modern Hebrew Language and Culture I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HBR 1121 Elementary Modern Hebrew Language and Culture II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HBR 2200 Intermediate Modern Hebrew I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 2201 Intermediate Modern Hebrew II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 3250 Biblical Hebrew</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 3410 Conversational Israeli Hebrew</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Jewish History

- JST 3401 Jewish People in Antiquity: 3 hrs
- JST 3402 Wanderings: The Jewish People in Dispersion: 3 hrs
- JST 3481 20th Century Jewish History and Thought: 3 hrs
- JST 3701 History of the Holocaust: 3 hrs
- JST 3415 American Jewish History: 3 hrs

### 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

### 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.

### Total Semester Hours Required
- 11
### Prerequisite Courses
- None

### Required Courses (13 hrs)

**Foundation Requirement**
- 4 hrs
  - LDR 2001 Foundations of Leadership 2 hrs
  - 1 LDR 2002 Intermediate Foundations of Leadership 2 hrs

1 PR: LDR 2001

**Restricted Requirements**
- 9 hrs
  - Choose one course from three of the six areas below:
    - **Communication**
      - 3 hrs
      - COM 3011C Communication and Human Relations or 3 hrs
      - COM 3120 Organizational Communication or 3 hrs
      - COM 4461 Intercultural Communication or 3 hrs
      - COM 4462 Conflict Management 3 hrs
    - **Collaboration**
      - 3 hrs
      - INP 3004C Industrial/Organizational Psychology or 3 hrs
      - INP 4313 Organizational Psychology or 3 hrs
      - MAN 4240 Organizations: Theory and Behavior or 3 hrs
      - MAN 3025 Management of Organizations or 4 hrs
      - 1 SPC 4426 Group Dynamics 3 hrs
    - **Social Relations and Culture**
      - 3 hrs
      - ANT 3541 Biobehavioral Anthropology or 3 hrs
      - CLP 3143 Abnormal Psychology or 3 hrs
      - COM 4461 Intercultural Communication or 3 hrs
      - EXP 3304C Motivation or 3 hrs
      - SOP 3004C Social Psychology or 3 hrs
      - SOP 3723 Cross Cultural Psychology or 3 hrs
      - SOP 3742 Psychology of Women or 3 hrs
      - SOP 3764 Psychology of Diversity 3 hrs
    - **Politics**
      - 3 hrs
      - PAD 3003 Public Administration in American Society or 3 hrs
      - PAD 4104 Administrative Theory or 3 hrs
      - PAD 4144 Non-Profit Organizations or 3 hrs
      - PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
      - POS 3413 The American Presidency or 3 hrs
      - POS 4206 Political Psychology or 3 hrs
      - PUF 3325 Women and Political Behavior 3 hrs
    - **Ethics**
      - 3 hrs
      - BUL 3130 Legal and Ethical Environment of Business or 4 hrs
      - EDF 3601 Professional Ethics in Education or 3 hrs
      - PAD 3040 Ethics and Values in Public Administration or 3 hrs
      - PHI 2108 Critical Thinking or 3 hrs
      - PHI 3640 Environmental Ethics 3 hrs

1 PR: COM 3311

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 13

### Other Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy the certificate.
- At least 12 credit hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

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### Marketing: e-Marketing - Certificate
**College of Business Administration**
**Department of Marketing,**
**Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

### Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major

### Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses (6 hrs)
- 3 hrs
  - MAR 3721 Technology Applications in Marketing
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in "e"-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 6

### Other Requirements
- None

---

### Marketing: Entertainment Marketing - Certificate
**College of Business Administration**
**Department of Marketing,**
**Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

### Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major

### Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses (6 hrs)
- 3 hrs
  - MAR 4715 Entertainment Marketing
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in entertainment-related position. Certificate attainment is subject to the availability of the internship opportunities in the area of interest.

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 6

### Other Requirements
- None

---

### Marketing: Healthcare Marketing - Certificate
**College of Business Administration**
**Department of Marketing,**
**Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

### Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major

### Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses (6 hrs)
- 3 hrs
  - MAR 4715 Entertainment Marketing
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in entertainment-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 6

### Other Requirements
- None

---

### Marketing: Healthcare Marketing - Certificate
**College of Business Administration**
**Department of Marketing,**
**Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

### Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major

### Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses (6 hrs)
- 3 hrs
  - MAR 4715 Entertainment Marketing
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in entertainment-related position. Certificate attainment is subject to the availability of the internship opportunities in the area of interest.

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 6

### Other Requirements
- None
Certificate Admission Requirements
- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4712 Healthcare Marketing 3 hrs
- MAR 4941 Marketing Internship 3 hrs

1 Internship in healthcare-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Retailing Management - Certificate
College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4231 Retailing Management 3 hrs
- MAR 4941 Marketing Internship 3 hrs

1 Internship in retail-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Selling and Sales Management - Certificate
College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 3403 Sales Force Management 3 hrs
- MAR 4941 Marketing Internship 3 hrs

1 Internship in sales-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Services Marketing - Certificate
College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4841 Services Marketing 3 hrs
- MAR 4941 Marketing Internship 3 hrs

1 Internship in services-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Sport Marketing Management - Certificate
College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4711 Sport Marketing 3 hrs
- MAR 4941 Marketing Internship 3 hrs

1 Internship in sports-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.
Certificates

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/pubadm
Email: pa/ba/bs@ucf.edu
Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4144 Non-Profit Organizations 3 hrs
- PAD 4148 Volunteer Management 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 4325 Program Evaluation for Public and Non-Profit Organizations 3 hrs
- PAD 4153 Planning and Improvement for Public Organizations 3 hrs

Restricted Electives (3 hrs)
- See advisor for approved courses

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration

Public and Professional Writing - Certificate
College of Arts and Humanities
Department of Writing and Rhetoric, Colbourn, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/
Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057
Dr. Amy Barnickel, Advisor, amy.barnickel@ucf.edu, 407-823-0349

The Certificate in Public and Professional Writing will provide students with additional training and experience in workplace and public (i.e., civic, community-based) writing.

Certificate Admission Requirements
Transfer Notes
- Grades lower than a “C” (2.0) GPA will not be accepted for transfer credit.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all appropriate documentation.

Certificate Requirements
- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
- Students must earn a minimum of a 2.5 GPA in coursework used to satisfy certificate.
- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- Students should consult with a department advisor.
- Students cannot earn both the Certificate and the Minor in Writing and Rhetoric.

Prerequisite Courses
Prerequisite
- ENC 1102 Composition II 3 hrs

Required Courses (6 hrs)
- ENC 3331 Rhetoric and Civic Engagement 3 hrs

Select 1: (3 hrs)
- ENC 3520 Professional Writing 3 hrs
- ENC 4212 Writing for the Technical Professional 3 hrs
- ENC 3211 Theory and Practice of Technical Writing 3 hrs

Restricted Electives (3 hrs)
- Public, Professional, and Disciplinary Writing
- Any 3000 or 4000 level approved Gordon Rule course.
- Any course offered by the Department of Writing and Rhetoric not used to fulfill other requirements.
- Any 3000 or 4000 level ENC technical communication course.
- Any 3000 or 4000 level approved Gordon Rule course.
- PLA 3155 Legal Writing

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements (3 hrs)
- Any course offered by the Department of Writing and Rhetoric not used to fulfill other requirements.
- Any 3000 or 4000 level ENC technical communication course.
- Any 3000 or 4000 level approved Gordon Rule course.
- PLA 3155 Legal Writing

Real Estate: Mortgage Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida mortgage broker’s license.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

University of Central Florida
### Certificates

#### Real Estate: Real Estate Brokerage - Certificate

**College of Business Administration**  
**Dr. P. Phillips School of Real Estate,**  
**Business Administration II, Room: 101**  

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REE 3043</td>
<td>Fundamentals of Real Estate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3433</td>
<td>Real Estate Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4204</td>
<td>Residential Real Estate Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4203</td>
<td>Commercial Real Estate Finance</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3391</td>
<td>Professional Selling or REE 4941 Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>


#### Security Management - Certificate

**College of Health and Public Affairs**  
**Department of Criminal Justice and Legal Studies,**  
**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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCC 3311</td>
<td>Security Admin</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 3803</td>
<td>Security Mgmt</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Certificates

CJT 4843 Risk Management in Criminal Justice/ Private Security 3 hrs
CCJ 4644 White Collar Crime 3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - CJT 3444 Crime Prevention 3 hrs
  - CJE 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

Other Requirements
- Total Semester Hours Required: 15

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this career opportunities. This certificate is open to all undergraduate and graduate students in any major.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- 4 UCF-approved SL courses
- Students may choose any four of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

Substitute Teaching - Certificate
College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 220B
http://education.ucf.edu/
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. 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
- EDF 2301 Teaching Strategies for Substitute Teachers 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 9

Other Requirements
- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

Teaching English as a Foreign Language - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Dr. K. Folse, 407-823-4555
Phone: 407-823-2472

Certificates will be awarded only at time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements (12 hrs)
- None

Prerequisite Courses
- None

Required Courses in PK-12 (12 hrs)
- TSL 3346 English as an International Language 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
## Translation and Interpretation - Certificate
### College of Arts and Humanities
#### Department of Modern Languages and Literatures, Colbourn Hall, Room: 505
http://mll.cah.ucf.edu/
Email: flfaculty@ucf.edu
Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

### Certificate Admission Requirements
- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

### Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses (12 hrs)
- SPT 3800  Spanish Translation and Interpretation 3 hrs
- SPT 3805  Spanish Translation and Interpretation for Mass Communication 3 hrs
- SPT 3809  Medical Spanish Translation/Interpretation 3 hrs
- SPT 3831  Spanish Legal Translation and Interpretation 3 hrs

### Restricted Electives (6 hrs)
- SPN 3933  Spanish Across the Curriculum 1 hr
- SPN 4941  Internship 1 hr
- Any upper division SPN or SPT course with advisor’s approval

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 12

### Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- All 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

### Victim Advocacy - Certificate
### College of Health and Public Affairs
#### Department of Criminal Justice, Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Mary Ann Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice and Legal Studies, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements
- None

### Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

### Prerequisite Courses
- There are no certificate program prerequisites; however individual courses may have prerequisites.

### Required Courses (9 hrs)
- CCJ 3667  Victims and the CJ System 3 hrs
- CCJ 4670  Women and Crime 3 hrs
- CCJ 4681  Domestic Violence and the Justice System 3 hrs

### Restricted Electives (6 hrs)
- 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

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 15

### Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.
Certificates

Women’s Studies - Certificate
College of Arts and Humanities
Program in Women’s Studies, Colbourn Hall, Room: 411
http://womensstudies.cah.ucf.edu/
Email: womensst@ucf.edu
Dr. M.C. Santana, 407-823-2269
Phone: 407-823-6502

The certificate program in Women’s Studies is designed to provide students with a basic, working knowledge of gender roles and women’s issues. The certificate program is particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- WST 3015  Introduction to Women’s Studies  3 hrs

Restricted Electives  (9 hrs)
- See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

Internship Option:  3 hrs
- Internship required by a student’s major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women’s issues.

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of “C” or below will not be counted toward the Women’s Studies Minor.
- At least 9 hours used in the certificate must be earned at UCF.
Aerospace Engineering - Accelerated
Undergraduate-Graduate Program
(B.S.A.E. / M.S.A.E. or M.S.M.E.)

College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu

Email: mmaeugrad@ucf.edu
Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements
■ See Common Program Prerequisites.
■ Qualified students may apply after completion of a minimum of 64 credit hours.
■ Completion of no more than 96 credit hours.
■ Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
■ Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
■ None

1. UCF General Education Program (GEP) (38 hrs)
■ See Aerospace Engineering major in catalog for GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
■ See Aerospace Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.
EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (51 hrs)
EGN 3310 Engineering Analysis-Statistics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3032 Probability and Statistics for Engineers GEP 3 hrs
EAS 3010 Fundamentals of Aerodynamics 3 hrs
EAS 3800C Aerospace Engineering Measurements 3 hrs
EAS 3810C Design of Aerospace Experiments 3 hrs
EAS 4105 Flight Mechanics 3 hrs
EAS 4134 High-Speed Aerodynamics 3 hrs
EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EGM 3601 Solid Mechanics 3 hrs
EAS 4200 Analysis & Design of Aerospace Structures 3 hrs
EML 3217 Engineering Mechanics - Dynamics 3 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs
EGM 3701 Fluid Mechanics I 3 hrs
EML 4142 Heat Transfer 3 hrs

5. Restricted Electives (12 hrs)
■ Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.
■ Please Note: The Accelerated B.S. to M.S. Program allows students to complete a maximum of 12 credit hours of Graduate level course work for technical elective credit.

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ None

8. Electives
■ None

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.
Select 1:
EAS 4700C Aerospace Design I or 3 hrs
EGN 4412C Interdisciplinary Design I 3 hrs

Select 1:
EAS 4710C Aerospace Design II or 3 hrs
EGN 4413C Interdisciplinary Design II 3 hrs

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
■ Complete the General Education Program, the Gordon Rule, 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.
Accelerated Undergraduate-Graduate Programs

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major.
- Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link
- http://www.graduatecatalog.ucf.edu/content/Courses.aspx

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program
(B.A. or B.S. / M.A.)
College of Health and Public Affairs
Department of Communication Sciences and Disorders
Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/comdis/
Email: advising@ucf.edu
Phone: 407-823-4798

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 18 credit hours of graduate-level courses while completing the bachelor’s degree. This enables full-time students to achieve a master’s degree in one to two fewer semesters.

Admission Requirements
- Completion of at least 12 hours of undergraduate CSD coursework at UCF
- 3.5 GPA or better in courses in the major
- A highly competitive GRE score taken within the past 5 years.
- Completion of a graduate application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a “B” or better for all 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: 3 hrs
- Suggested STA 2014C Principles of Statistics or
- 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 or
- Suggested ECO 2023 Principles of Microeconomics or
- Suggested POS 2041 American National Government 3 hrs

E: Science Foundations (7 hrs)
- Prefer BSC 1005 Biological Principles 3 hrs
- Prefer BSC 1005L Biological Principles Laboratory 1 hr
- Required PHY, CHM, or PSC course 3 hrs

2. Common Program Prerequisites (CPP)
- STA 2014C Principles of Statistics GE
- BSC 1005 Biological Principles GE
- PSY 2012 General Psychology GE
- PHY 2XXX Physics course GE

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
   - SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
   - DEP 2004C Developmental Psychology 3 hrs
   - LIN 3716L Language Development Lab 2 hrs
   - LIN 3713 Language Science 3 hrs

Select 1: 3 hrs
- EAB 3703C Principles of Behavior Modification or
- 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 3 hrs

Statistics Requirement 6 hrs
- Students have two options in completing this requirement:

Option 1: 6 hrs
- STA 2023 Statistical Methods I and
- STA 4163 Statistical Methods II 3 hrs

Option 2: 6 hrs
- STA 2014C Principles of Statistics and
- SPA 4803 Research Methods in Communication Sciences and Disorders

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.
Acceptable Substitutes for Transfer Courses

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. 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
Psychology
Social Work

Certificates
Language Development and Disorders

Related Minors
Exceptional Education
Early Childhood Education
Aging Studies
Health Services Administration
Interpersonal/Organizational Communication
Linguistics
Psychology
Communication Sciences and Disorders

Advising Notes
None

Transfer Notes
"D" (1.0) grades are not accepted
Courses taken at community college do not substitute for Upper Division courses
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Students may take STA 204C or STA 2023 to fulfill the first part of the statistics requirement

Acceptable Substitutes for Transfer 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/al academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $17.50 per term
Full-Time Student: $35.00 per term

Computer Engineering - Accelerated
Undergraduate-Graduate Program
(B.S.P.E. / M.S.P.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu

Email: eeece-grad@eecs.ucf.edu
Dr. Ronald DeMara
Diana Ashley
Phone: 407-823-3327

Admission Requirements
See Common Program Prerequisites
Qualified students may apply after completion of a minimum of 64 credit hours
Completion of no more than 96 credit hours
Completion of the GRE with a highly competitive score by the end of first semester of the senior year
Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
None

1. UCF General Education Program (GEP) (38 hrs)
See Computer Engineering major in the catalog for track GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
Computer Engineering: Basic Core
EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (57 hrs)
Courses Required for the Engineering Core 6 hrs
EGN 3310 Engineering Analysis-Static 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 51 hrs
COT 3100C Introduction to Discrete Structures 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
COP 3330 Object Oriented Programming 3 hrs
COP 4311C Processes for Object Oriented Software Development 4 hrs
Accelerated Undergraduate-Graduate Programs

EEL 3004 Electrical Networks 3 hrs
EEL 3123C Networks and Systems 4 hrs
EEE 3307C Electronics I 4 hrs
EEE 3342C Digital Systems 3 hrs
EEE 3801C Computer Organization 3 hrs
EEL 4742C Embedded Systems 4 hrs
EEL 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 (6 hrs)
- Technical electives should be taken at the 5000 level and are available in the BSPE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- EEL 4914 Senior Design I 3 hrs
- EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Undergraduate Hours Required: 128
Total Combined Hours Required: 152
Honors In Major: None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Physics

Certificates
- None

Related Minors
- Information Technology
- Computer Science
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.

- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major.
- Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $28 per term
- Full-Time Student: $55 per term

Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 437
http://www.eecs.ucf.edu
Dr. Hassan Foroosh, foroosh@eecs.ucf.edu
Diane Ashley, eecpe-grad@eecs.ucf.edu
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (39 hrs)
- See Computer Science major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (17 hrs)
- See Computer Science major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (25 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 4 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- CDA 3103 Computer Logic and Organization 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs
- CIS 3360 Security in Computing 3 hrs
4. Core Requirements: Advanced Level (20 hrs)
- A “C” (2.0) or better is required in all courses listed.
- Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.

5. Restricted Electives (15 hrs)

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation
- Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Complete an exit survey
- Computer Competency met by completion of major

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, 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

Accepted Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)

Transfer Notes
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oenas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $9 per term
- Full-Time Student: $18 per term

Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science

Electrical Engineering, Harris Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu

Email: eecepe-grad@eecs.ucf.edu
Dr. Ronald DeMarra
Diana Ashley
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Electrical Engineering major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations
2. Common Program Prerequisites (CPP)  (19 hrs)
   - See Electrical Engineering major in the catalog for the CPP requirements.
3. Core Requirements: Basic Level  (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.
   - Engineering Core: Basic  2 hrs
     - EGN 1006C  Introduction to the Engineering Profession  1 hr
     - EGN 1007C  Engineering Concepts and Methods  1 hr
4. Core Requirements: Advanced Level  (53 hrs)
   - Engineering Core: Advanced  9 hrs
     - EGN 3310  Engineering Analysis-Statics  3 hrs
     - STA 3023  Probability and Statistics for Engineers  3 hrs
     - EEE 3307C  Electronics I  4 hrs
     - EEE 3342C  Digital Systems  3 hrs
     - EEL 3470  Electromagnetic Fields  3 hrs
     - EEL 3552C  Analog and Digital Communication  4 hrs
   - Core Required Course: Basic Level  3 hrs
     - EGN 3321  Engineering Analysis-Dynamics or
     - EGN 3358  Thermo-Fluids-Heat Transfer  3 hrs
   - Courses Required for the Major  44 hrs
     - EEL 3004  Electrical Networks  3 hrs
     - EEL 3123C  Networks and Systems  4 hrs
     - EEE 3350  Semiconductor Devices I  3 hrs
     - EEE 3307C  Electronics I  4 hrs
     - EEE 3342C  Digital Systems  3 hrs
     - EEL 3470  Electromagnetic Fields  3 hrs
     - EEL 3552C  Analog and Digital Communication  4 hrs
   - Required Core Course: Basic Level  3 hrs
     - EEL 3552C  Analog and Digital Communication  3 hrs
5. Restricted Electives  (10 hrs)
   - Technical electives should be taken at the 5000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.
6. Capstone Requirements  (6 hrs)
   - EEL 4914  Senior Design I  3 hrs
   - EEL 4915L  Senior Design II  3 hrs
7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None
8. Electives
   - None
9. Additional Requirements
   - None
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
   - Physics
Certificates
   - None
Related Minors
   - Engineering Leadership
   - Intelligent Robotic Systems (IRS) - Interdisciplinary
   - Mathematics
   - Physics
Advising Notes
   - The following will be waived for this joint degree program:
     - The limit of nine hours to be shared between undergraduate and graduate programs.
     - Undergraduate students taking graduate courses must be within nine hours of graduation.
     - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
     - Undergraduate students are not eligible to take 6000-level courses.
Transfer Notes
   - None
Acceptable Substitutes for Transfer Courses
   - None
Shared Courses
   - Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.
Graduate Courses Link
   - None
Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Equipment Fees
   - Part-Time Student: $30 per term
   - Full-Time Student: $60 per term

History - Accelerated Undergraduate-Graduate
Program (B.A / M.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Email: Graduate program: hisgrad@ucf.edu
Email: Undergraduate program: history@ucf.edu
Dr. Peter Larson
Phone: 407-823-2224

This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master’s degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.
### Admission Requirements
- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
- A 3.5 GPA or better in history courses and a 3.25 overall GPA or better.
- Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section.
- Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History Department.
- Students will be formally admitted to the master's program following receipt of the B.A. degree.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000-level courses to meet this requirement.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

### 1. UCF General Education Program (GEP) **(36 hrs)**

#### A: Communication Foundations
- See the History major in this catalog for track specific GEP requirements.

#### B: Cultural & Historical Foundations
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.

#### C: Mathematical Foundations
- Students 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.

#### D: Social Foundations
- Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.

#### E: Science Foundations
- Students should consult with the departmental graduate director.

### 2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### 1 AMH 2010 - U.S. History: 1492-1877 [GEP]

#### 1 AMH 2020 - U.S. History: 1877-Present [GEP]

#### 1 See Transfer Notes for possible substitutes

### 3. Core Requirements: Basic Level **(6 hrs)**

#### Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 2000</td>
<td>Western Civilization I and</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2001</td>
<td>Western Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>WOH 2012</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>World Civilization I and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>WOH 2022</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>World Civilization II</td>
<td></td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level **(3 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 4130</td>
<td>History and Historians</td>
<td>3</td>
</tr>
</tbody>
</table>

### 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

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement.

#### Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

### 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

#### Graduate Degree Requirements
- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
- Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
- Students need to pay fees at the graduate rate for the graduate courses they take.

#### Schedule for students enrolled full-time in the accelerated program:
- Students complete nine hours of graduate-level courses their senior year.
- Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
- Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.
- Students complete and defend a master’s thesis in six hours.

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Maintain a minimum GPA of 3.5 in upper division required courses attempted.
- Submit a portfolio during the semester of graduation.
- The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers.
- Students must complete at least 18 of the required 36 history hours at UCF.
- Computer competency met by completion of the major.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
Accelerated Undergraduate-Graduate Programs

Industrial Engineering - Accelerated Undergraduate-Graduate Program
(B.S.I.E. / M.S.I.E.)

College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/
Dr. William Thompson, william.thompson@ucf.edu, 407-823-2636
Phone: 407-823-2204

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Completion of the GRE with a highly competitive score by the end of the junior year
- Admission is not automatic. Interested students may need to be interviewed

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - See Industrial Engineering major 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)

2. Common Program Prerequisites (CPP) (19 hrs)
   - See Industrial Engineering major in the Catalog for the CPP requirements.

3. Core Requirements: Basic Level (60 hrs)
   - Industrial Engineering Core: Basic 2 hrs
     - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.
     - EGN 1006C Introduction to the Engineering Profession 1 hr
     - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (58 hrs)
   - Courses Required for the Major 58 hrs
     - Graduate courses used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A "C" (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI or STA. A "B" (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.

   1. COP 3223 Introduction to Programming with C 3 hrs
   2. EIN 3100 Engineering Analysis-Statics 3 hrs
   3. EIN 3321 Engineering Analysis-Dynamics 3 hrs
   4. EIN 3373 Principles of Electrical Engineering 3 hrs
   5. EIN 3613 Engineering Economic Analysis 2 hrs
   6. EIN 5108 The Environment of Technical Organizations 3 hrs

Select 1:
- EIN 3358 Thermofluids-Heat Transfer or 3 hrs
- EIN 3343 Thermodynamics 3 hrs

1. Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.
2. Substitute for EGN 4624
3. Substitute for ESI 4312
4. Substitute for ESI 4523C

5. Restricted Electives (4 hrs)
   - Three (3) hours of technical electives should be taken at the 5000 or 6000 level and are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm
- 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
- 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/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $38 per term
- Full-Time Student: $77 per term

Mechanical Engineering - Accelerated Undergraduate-Graduate Program

(B.S.M.E. / M.S.M.E., M.S.M.S.E. or M.S.A.E.)

College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu

Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Mechanical Engineering major in the Catalog for track specific GEP requirements

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Mechanical Engineering major in the Catalog for CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- EGR 1055C Introduction to the Engineering Profession 1 hr
- EGR 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)
- EGR 3310 Engineering Analysis-Statics 3 hrs
- EGR 3334 Thermodynamics 3 hrs
- EGR 3365 Structure and Properties of Materials 3 hrs
- EGR 3373 Principles of Electrical Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EML 3094C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- EML 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

- Select one of the following three options for your senior year to complete your BSME:

- Please Note: The Accelerated B.S. to M.S. Program allows students to complete a maximum of 12 hours of Graduate level course work for technical elective credit

Energy Systems Option
- EML 3101 Thermodynamics of Mechanical Systems and 3 hrs
- EML 4703 Fluid Mechanics II and 3 hrs
- Approved Electives (to include 5000 level courses) and 18 hrs
- Energy Systems Laboratory and 3 hrs
- EML 4145 Topics in Heat Transfer 3 hrs

Mechanical Systems Option
- Approved Electives (to include 5000 level courses) and 21 hrs
- EML 3500 Machine Design and Analysis and 3 hrs
- Mechanical Systems Laboratory and 3 hrs
- EML 4313 Intermediate System Dynamics and Controls 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Accelerated Undergraduate-Graduate Programs

Materials Option 30 hrs

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<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>EMA 3012C</td>
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<tr>
<td>Experimental...</td>
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<tr>
<td>EMA 4102</td>
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<tr>
<td>Thermodynamics...</td>
<td></td>
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<tr>
<td>EMA 3124</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Design and...</td>
<td></td>
</tr>
<tr>
<td>EMA 4223</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Fundamentals...</td>
<td></td>
</tr>
</tbody>
</table>

Approved Electives (to include 5000 level courses) 18 hrs

5. Restricted Electives

- Technical electives should be taken at the 5000 or 6000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements (6 hrs)

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<td>EML 4501C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Engineering Design I or</td>
<td></td>
</tr>
<tr>
<td>EGN 4412C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Interdisciplinary Design I</td>
<td></td>
</tr>
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</table>

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4502C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Engineering Design II or</td>
<td></td>
</tr>
<tr>
<td>EGN 4413C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Interdisciplinary Design II</td>
<td></td>
</tr>
</tbody>
</table>

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Undergraduate Hours Required 128

Total Combined Hours Required 146

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Career and Academic Advising

- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EML 3990 Mechanical Career and Academic Faculty 0 hrs Advising I

EML 4991 Mechanical Career and Academic Faculty 0 hrs Advising II

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Shared Courses

- Shared B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E. Up to 12 credit hours of approved 5000 and 6000 level courses with grades of “B” (3.0) or better may be counted towards the B.S. and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link

- http://www.graduatecatalog.ucf.edu/content/Courses.aspx

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Patricia Leil, Undergraduate Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program
- Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year of admission is sought. For application deadlines, please visit http://www.nursing.ucf.edu/.
Application to the university must also be submitted by the program application deadline.

Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.

Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar's Office. These students complete the "Readmission Application" form.

Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.

All applicants must have a minimum overall GPA of 3.0.

Applicants are encouraged to attend an information session, prior to submitting the application.

Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing.

Failure to disclose related information on an application may negate the application.

A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.

At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline. This includes 3 courses from Group A and the remainder from Groups A or B.

**Group A**
- grade of C (2.0) or better
  - Microbiology with Lab 4 hrs
  - Anatomy with Lab 4 hrs
  - Physiology with Lab (or A&P I, II) 4 hrs

**Group B**
- grade of C (2.0) or better
  - Psychology
  - 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.

**3. Core Requirements: Basic Level**

**4. Core Requirements: Advanced Level (57 hrs)**

- Any variation from the following must be approved by the College of Nursing.

**5. Restricted Electives (3 hrs)**

**Nursing Elective** 3 hrs

- Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

**Admissions**

- None

**Graduation**

- None

**8. Electives**

- None

**9. Additional Requirements**

- Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program.
- Complete all courses in major with at least a “C” (2.0)
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

**10. Required Minors**

- None
Accelerated Undergraduate-Graduate Programs

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- UCF GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Undergraduate Hours Required
- 57

Honors in Major
- University Honors and Honors in the Major Available
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
- Health Services Administration
- Social Work
- Certificates
- None

Related Minors
- Ageing Studies
- Psychology
- Health Sciences
- Health Services Administration

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- General Psychology (PSY X012) or any General Psychology course (3 hrs)
- General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023)
- General Chemistry (CHM 1032 or any other approved chemistry course (3 hrs) or approved science course (3 hrs)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094 or (BSC X085/X086). This is a biological science prerequisite. (6-8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. This is a biological science prerequisite. (4 hrs)
- Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span (3 hrs)
- Human Nutrition with Therapeutic Nutrition (3 hrs)

Shared Courses
- None

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

1. Admission Requirements
- Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at http://www.nursing.ucf.edu for application materials.

All applicants must meet the following criteria:
- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida community or state college.
- 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

2. Interim Requirements:
- Maintain a Nursing GPA of 3.0

3. Admission Requirements for Graduate Program Phase:
- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies website for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
- Two professional references addressing qualifications and ability to succeed in graduate school.
- Resume
- Letter of Intent/Goal statement

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.

The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities
- UCF Residency Requirement: 30 hours
- The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements
- The MSN is awarded after program completion

**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**

Stephen Heglund, RN to MSN Coordinator
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate

Phone: 407-823-2744

An accelerated program for students who hold an RN license and meet general education requirements, nursing pre-requisites, and required GPA. All courses are available online. Available for the following tracks in the graduate program: Nursing Leadership and Management, Clinical Nurse Leader, and Nurse Educator. Nine (9) graduate credit hours may be applied to meet requirements of both BSN and MSN programs.

- 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

Related Programs
- Health Services Administration
- Social Work
- Certificates
- None

Related Minors
- Ageing Studies
- Psychology
- Health Sciences
- Health Services Administration

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- General Psychology (PSY X012) or any General Psychology course (3 hrs)
- General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023)
- General Chemistry (CHM 1032 or any other approved chemistry course (3 hrs) or approved science course (3 hrs)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094 or (BSC X085/X086). This is a biological science prerequisite. (6-8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. This is a biological science prerequisite. (4 hrs)
- Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span (3 hrs)
- Human Nutrition with Therapeutic Nutrition (3 hrs)

Shared Courses
- None

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

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4. Core Requirements: Advanced Level (30 hrs)

NUR 3005 Dimensions of Professional Nursing Practice 3 hrs
NUR 3165 Nursing Research 3 hrs
NUR 3634 Community Health Nursing 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4604L Practicum in Community and Public Health 4 hrs
NUR 4637 Public Health Nursing 2 hrs

5. Restricted Electives

Take the following 12 credits (nine graduate credits also applied to MSN)

NUR 5003 Advanced Health Assessment and Diagnostic Reasoning 2 hrs
NUR 5003L Advanced Health Assessment and Diagnostic Reasoning (Lab) 1 hr
NUR 5638 Health Promotion and Nursing Practice 3 hrs
NUR 5141 Pathophysiological Bases for Advanced Nursing Practice and Transition 3 hrs
NUR 4828 Nursing Leadership, Management and Role Transition 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).

Graduation:

None

8. Electives

Variable to meet degree requirements.

9. Additional Requirements

A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.

10. Required Minors

None

11. Departmental Exit Requirements

Completion of all courses in major with a grade of “B” (3.0) or better
Cumulative GPA of 2.5 or above
College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Undergraduate Hours Required 120
Accelerated Undergraduate-Graduate Programs

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.oelas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

The University offers five specialized degree programs for students who have graduated from a Florida public community college with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing. Students who wish to transfer to UCF under the provisions of the state-wide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice) from a Florida public community or state college.

2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 community college A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.

3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.

4. Students should select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.

5. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community or state college and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to the student's graduating term from the University of Central Florida. Students who chose to complete their general education program at a Florida community college or State College and then transfer into the appropriate non-A.S. to B.S. programs have slightly different requirements. 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.

Applicants who qualify for this program must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Director of Advising 407-823-1509, or the Director of Transfer and Transition Services, 407-823-2231.

Applied Science B.A.S. (A.S. to B.A.S.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
12201 Research Parkway, Room: Suite 101
http://www.regionalcampuses.ucf.edu/
Helen Hill, Director, Regional Campus Advising, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making. Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to 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. If students wish to take an upper division course at the main Orlando campus, they should see a Regional Campus academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact the Director of Regional Campuses Advising at 407-823-4547.

Completion of an A.S. degree from a Florida public community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

Admission Requirements

- Completion of an A.S. degree from a Florida public community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including Gordon Rule, Foreign Language Admission, and General Education.

1. UCF General Education Program (GEP) (36 hrs)
   - Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:
     - 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 (10 hrs)
   - Select 1:
     - BUL 3130 Legal and Ethical Environment of Business or
     - PLA 3014 Law and the Legal System
   - Select 1:
     - ENC 3241 Writing for the Technical Professional or
     - ENC 3250 Professional Writing

4. Core Requirements: Advanced Level
   - None

5. Restricted Electives
   - Area of Concentration (Choose one)
   - All tracks are not available at all locations.

Supervision and Administration Track 19 hrs
Take all of the following:

- INP 3004C Industrial/Organizational Psychology and 3 hrs
- MAR 3023 Marketing and 4 hrs
- MAN 3302 Essentials of Human Resource Management for Non-Business Majors and 3 hrs
- MAN 3354 Employee Training for Non-Business Majors 3 hrs
- ACG 3082 Accounting For Non-Business Majors and 3 hrs
- Restricted Elective (Consult with Program Advisor) 3 hrs

Criminal Justice Track 18 hrs

- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs

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Select 1: 3 hrs
CJL 3510 Prosecution and Adjudication or 3 hrs
CJC 3010 Corrections and Penology or 3 hrs
CJE 4014 Police and Society or 3 hrs
Six additional hours of CCJ, CJC, CJE, C.L. or CJT

courses, selected with the aid of an academic advisor

Legal Studies Track 18 hrs
Take all of the following: 6 hrs
PLA 3014 Law and the Legal System and 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
1 HSA 3111 U.S. Health Care Systems and 3 hrs
HSC 4201 Community Health and 3 hrs
HSA 4180 Organization & Management for Health Agencies I and 3 hrs
2 HSA 4191 Health Care Automation and 3 hrs
2 HSC 4500 Epidemiology 3 hrs

Select 1: 3 hrs
HSC 4652 Health Law and Ethics or 3 hrs
HSA 4109 Principles of Managed Care or 3 hrs
HSA 4502 Risk Management Systems or 3 hrs
HSA 4702 Health Sciences Research Methods or 3 hrs
HIM 4508C Quality Management 3 hrs

1 HSA 3111 is a prerequisite for all of the following classes
2 PR: CGS 2100C
2 PR: STA 2014C or STA 2023

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
1 CET 3383 Applied Systems Analysis I and 3 hrs
1 CET 4427 Applied Database I and 3 hrs
ETI 4448 Applied Project Management and 3 hrs
CET 4748 Wide Area Networks I and 3 hrs
CET 4749 Wide Area Networks II and 3 hrs
2 CET 4693 Computer and Network Security and 3 hrs
1 CET 4483 Intro to Local Area Network Technology 3 hrs

1 PR: Object oriented programming course with COP prefix or equivalent or C.I. 2 PR: CET 4483, and MAC 1105

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 3024 Software Development I and 3 hrs
CEN 4025 Software Development II and 3 hrs
CEN 4910 Software Development Project and 3 hrs
ETI 4448 Applied Project Management and 3 hrs
CEN 4802 Software Integration, Configuration, and Testing and 3 hrs
CEN 4333 Advanced Database Development 3 hrs

6. Capstone Requirements
None

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
- 120

Honors In Major
None

Related Programs
None

Certificates
None

Related Minors
None

Advising Notes
None

Transfer Notes
- Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.
- 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/alc/academic_learning_compacts.htm
Criminal Justice - A.S. to B.S. Track (B.S.)

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@mail.ucf.edu
Mary Ann Eastep
Phone: 407-823-2603

A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- The courses designated in section 1 below may be taken at a Florida community college
- Students must maintain a minimum of 2.0 GPA in the core requirements and the restricted electives

1. UCF General Education Program (GEP) (36 hrs)
   - Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
     A: Communication Foundations
     B: Cultural & Historical Foundations
     C: Mathematical Foundations
     D: Social Foundations
     E: Science Foundations

2. Common Program Prerequisites (CPP)
   - Completed as part of the approved A.S. program
   - See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (21 hrs)
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 3014 Crime in America 3 hrs
   - CJL 3510 Prosecution and Adjudication 3 hrs
   - CJC 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs
   - CCJ 4746 Data Analysis for Criminal Justice 3 hrs

5. Restricted Electives (27 hrs)
   - 24 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology

6. Capstone Requirements
   - None

7. Foreign Language Requirements

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
   - 30 of the last 39 hours of course work must be completed in residency at UCF

   Total Semester Hours Required
   - 130

   Related Programs
   - Legal Studies
   - Certificates
   - None

   Related Minors
   - Legal Studies
   - Public Administration
   - Psychology

   Advising Notes
   - None

   Acceptable Substitutes for Transfer Courses
   - None

   Plan of Study
   - None

   Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

General Business - A.S. to B.S. Track (B.S.B.A.)
College of Business Administration

Department of Management,
Business Administration II, Room: 101
http://www.bus.ucf.edu/
Phone: 407-823-2184

Completion program only for individuals who have statewide articulated A.S. from a Florida public community college.

Admission Requirements
- Completion of a Statewide Articulated A.S. in Business Administration from a Florida public community college which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

Degree Requirements
- Must complete all Gordon Rule requirements prior to admission to this degree.
- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

UNIVERSITY OF CENTRAL FLORIDA
Statewide Articulated A.S. To B.S. Programs

- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB. Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied toward the major.

1. UCF General Education Program (GEP) (12 hrs)
- Students will complete 12 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and may come from the following areas:

A: Communication Foundations
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students must complete both MAC 2233 and STA 2023 with a “C” (2.0) or better to be waived from ECO 3401.
- ECO 3401 Quantitative Business Tools I 3 hrs
  - or
- MAC 2233 Concepts of Calculus and 3 hrs
  STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (32 hrs)
First of subsequent semester in the College of 32 hrs

Business Administration:
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 4111 Quantitative Business Tools II 4 hrs
- FIN 4303C Business Finance 4 hrs
- 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- 2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- MAR 3203 Supply Chain and Operations Management 4 hrs

1 Required in 1st or 2nd semester.
2 Must be taken with GEB 3031

5. Restricted Electives (18 hrs)
- Students must take at least one course from each of the following areas. These six courses are restricted to the courses listed below.
  - At least two of the following courses must be at the 4000 level.

Finance
- FIN 3303 Financial Markets or 3 hrs
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 3504 Investment Analysis 3 hrs

Management
- GEB 3113 How to Start a Business or 3 hrs
- GEB 4435 Moral Foundations of Business or 3 hrs
- MAN 3301 Management of Human Resources or 3 hrs
- MAN 4240 Organizations: Theory and Behavior or 3 hrs
- MAN 4441 Conflict Resolution and Negotiation 3 hrs

Marketing
- MAR 3403 Sales Force Management or 3 hrs
- MAR 3613 Marketing Analysis and Research or 3 hrs
- MAR 4156 International Marketing or 3 hrs
- MAR 4841 Services Marketing 3 hrs

Economics
- ECO 4703 is required. ECP 3203 and ECP 3223 are restricted electives only. With permission of an Economics advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. This substitution must be petitioned and have written approval.
- ECO 3223 Money and Banking and 3 hrs
- ECP 3203 Labor Economics and 3 hrs
- ECP 4703 Managerial Economics 3 hrs

A.S. Transfer Courses
- Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 4 hrs

This course is taken in the graduating term and requires the following prerequisites:
- FIN 4303C Business Finance 4 hrs
- 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- 2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Required in 1st or 2nd semester.
1 Must be taken with GEB 3031

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Must be outside of the College of Business (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 132

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None
Advising Notes

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Macroeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take the other.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oceans.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Hospitality Management - A.S. to B.S. Track (B.S.)

Rosen College of Hospitality Management

Department of Hospitality Services,

9907 Universal Boulevard, Orlando, FL 32819

Email: hospitality@mail.ucf.edu

Dr. Abraham Pizam, Dean

Phone: 407-903-8000

Admission Requirements

- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study

Degree Requirements

- None

1. UCF General Education Program (GEP) (18 hrs)

- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (3 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

HFT 1000 Introduction to the Hospitality and Tourism Industry

3. Core Requirements: Basic Level (3 hrs)

- MAC 1105C College Algebra

Select 1:

- CSC 2100C Computer Fundamentals for Business or GEP
- STA 2023 Statistical Methods I

Select 1:

- ECO 2013 Principles of Macroeconomics or GEP
- ECO 2023 Principles of Microeconomics

4. Core Requirements: Advanced Level (27 hrs)

- Hospitality Management Core 27 hrs

- HFT 3353 Golf Planning & Operations I
- HFT 3354 Agronomy for Golf Course Management
- HFT 3355 Golf Planning & Operations II
- HFT 3357 Golf & Club Event Operations
- HFT 3358 Golf and Club Enterprises Management
- HFT 3364 Franchising in the Restaurant Industry
- HFT 3374 Meeting Management
- HFT 3379 Fairs and Festivals
- HFT 3388 History and Culture of Wine
- HFT 4253 Hotel Operations
- HFT 4266 Restaurant Brand Management
- HFT 4268 Case Studies in Restaurant Management
- HFT 4274 Resort Management
- HFT 4281 Restaurant Leadership Strategies and Tactics
- HFT 4343 Hospitality Facilities Planning and Design

5. Restricted Electives (15 hrs)

- Students should select one of the following options to fulfill their hospitality management restricted elective requirement.

Restricted Electives 15 hrs

- Students must take 15 credit hours (five courses) from the following:

FSS 3008 Culture and Cuisine
FSS 4135 Corporate Contract and Managed Services Organizations
FSS 4286C Catering and Banquet Organization
HFT 3353 Golf Planning & Operations I
HFT 3354 Agronomy for Golf Course Management
HFT 3355 Golf Planning & Operations II
HFT 3357 Golf & Club Event Operations
HFT 3358 Golf and Club Enterprises Management
HFT 3364 Franchising in the Restaurant Industry
HFT 3374 Meeting Management
HFT 3379 Fairs and Festivals
HFT 3388 History and Culture of Wine
HFT 4253 Hotel Operations
HFT 4266 Restaurant Brand Management
HFT 4268 Case Studies in Restaurant Management
HFT 4274 Resort Management
HFT 4281 Restaurant Leadership Strategies and Tactics
HFT 4343 Hospitality Facilities Planning and Design
Statewide Articulated A.S. To B.S. Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4358</td>
<td>Golf &amp; Club Facility Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4432</td>
<td>Hospitality Industry Auditing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4522</td>
<td>Resort Sales Tactics and Strategies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4561</td>
<td>Destination Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4614</td>
<td>Risk Management in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4735</td>
<td>Tourism Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4736</td>
<td>Destination Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4762</td>
<td>Current Practices in the Airline Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4787</td>
<td>Operational Issues in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4796</td>
<td>International Events</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4864</td>
<td>Seminar in Quality Brewing and Fine Beer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4864C</td>
<td>Exploring Wines of the World</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4894</td>
<td>International Gastronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUN 3013</td>
<td>Nutrition Concepts and Issues in the Food Service Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Specialized Tracks 15 hrs

- Or students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

Theme Park and Attraction Mgmt Track 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4614</td>
<td>Risk Management in Theme Parks and Attractions</td>
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</tr>
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<td>HFT 4795</td>
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<td>3 hrs</td>
</tr>
</tbody>
</table>

Golf and Club Management Track 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3353</td>
<td>Golf Planning &amp; Operations I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3354</td>
<td>Agronomy for Golf Course Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3355</td>
<td>Golf Planning &amp; Operations II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3357</td>
<td>Golf &amp; Club Event Operations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3384</td>
<td>Golf and Club Enterprises Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4358</td>
<td>Golf &amp; Club Facility Design</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- State University System foreign language requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

8. Electives

- None

9. Additional Requirements

- Grades of "C" (1.75) or below do not transfer into the Hospitality Management core or restricted electives.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student's responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Exam Week only.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required

- 124

Honors in Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- Florida public community college students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

May be substituted with: ACG X001

- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  [http://www.oes.ucf.edu/aic/academic_learning_compacts.htm](http://www.oes.ucf.edu/aic/academic_learning_compacts.htm)

Equipment Fees

- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term
Statewide Articulated A.S. To B.S. Programs

Nursing - A.S. to B.S.N. Track (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
Email: ucfnurse@ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean
Stephen Heglund, RN-BSN Coordinator
Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college. (12/2000 or later)

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
  - A minimum overall undergraduate GPA of 2.5
  - Completion of a Statewide Articulated AS in Nursing from a Florida public community or state college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later). Individuals who received AS prior to 12/00 or attended school other than a Florida public community or state college should follow section “B” - RN to BSN Program
  - UCF Residency Requirement: 32 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 General Education Program (GEP) (36 hrs)

1. UCF General Education Program (GEP) (36 hrs)
- Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college should complete those courses prior to their last 30 hours at UCF.

A: Communication Foundations (9 hrs)
- Required
  - ENC 1101 Composition I
  - ENC 1102 Composition II
  - SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
- Prefer
  - MAC 1105 College Algebra
- Required
  - STA 2014C Principles of Statistics

C: Mathematical Foundations (6 hrs)
- Preferred
  - MAC 1105 College Algebra
- Required
  - STA 2014C Principles of Statistics

D: Social Foundations (6 hrs)
- Required
  - SYG 2000 Introduction to Sociology
- Required
  - PSY 2012 General Psychology

E: Science Foundations (7 hrs)
- Required
  - BSC 2010C Biology I
  - CHM 1032 General Chemistry

2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer Services section for more information.

   1. CHM 1032 General Chemistry  GEP
   2. HUN 3011 Human Nutrition  3 hrs
   3. MCB 2004C Microbiology for Health Professionals  4 hrs
   4. PCB 3703C Human Physiology  4 hrs
   5. SYG 2000 Introduction to Sociology  GEP

Select 1:
- 3. STA 2014C Principles of Statistics or STA 2023 Statistical Methods I  GEP

Select 1:
- SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology  3 hrs

Select 1:
- PSY 2012 General Psychology or 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 six-eight total credits
3. Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (51 hrs)

UCF Core 24 hrs
- NUR 3805 Dimensions of Professional Nursing Practice  3 hrs
- NUR 3065 Health Assessment  2 hrs
- NUR 3065L Health Assessment Lab  1 hr
- NUR 3165 Nursing Research  3 hrs
- NUR 3634 Community Health Nursing  3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics  3 hrs
- NUR 4604L Practicum in Community and Public Health Nursing for RNs  4 hrs
- NUR 4828 Nursing Leadership, Management and Role Transition  3 hrs
- NUR 4637 Public Health Nursing  2 hrs

Upper Division Credit 27 hrs
- May be met by validation and RN License
- NUR 3028 Essentials of Nursing Practice  2 hrs
- NUR 3028L Essentials of Nursing Practice Lab  1 hr
- NUR 3755L Essentials of Nursing Practice Clinical  2 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice  2 hrs
- NUR 3445 Nursing Care of Families  3 hrs
- NUR 3445L Nursing Care of Families Clinical  2 hrs
- NUR 4227 Nursing Care of the Adult II  4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice  3 hrs
- NUR 4535 Psychiatric Mental Health Nursing  3 hrs
- NUR 4535L Psychiatric Mental Health Clinical  2 hrs
- NUR 3225 Nursing Care of the Adult I  3 hrs

5. Restricted Electives (6 hrs)
- NSP/NUR XXXX Any two upper division nursing electives  6 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.

Graduation
- None

8. Electives
- variable to meet degree requirements
Statewide Articulated A.S. To B.S. Programs

9. Additional Requirements
- A criminal background check and mandatory Drug Screening are required prior to any clinical course and "on demand" for continuation in the program.
- Complete all courses in major with at least a “C” (2.0)
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

Progression Requirements:
- Prior to NUR 3805: RN status or eligible to take NCLEX.
- Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of "C" (2.0) or better.
- Prior to NUR 3634 Community Health Nursing: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida Community or State College or University (SUS); 3) complete Nursing prerequisites; and 4) complete foreign language admission requirement.

Other:
- Selected Courses may be offered at regional campuses.
- The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of "C" (2.0) or better
- Cumulative overall GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit

Total Semester Hours Required
- 128

Honors In Major
- Contact Program Coordinator or HiM Advisor

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (30 hrs)
- assuming general education, foreign language and nursing prerequisites are complete

Junior Year - Fall
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

Junior Year - Spring
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs

Junior Year - Summer
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Fall
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Spring
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4637L Practicum in Community and Public Health Nursing for RNs 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
Classification of Courses
The University course numbering system is as follows:

0-0999. Subcollegiate level and not counted in meeting degree requirements.

1000-2999. Freshman and sophomore level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and senior.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor’s and master’s programs) should check with their adviser before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

Florida’s Statewide Course Numbering System
Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 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 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 offered. 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 Exception to the General Rule for Equivalency.

For example, a freshman composition skills course is offered by 56 different postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course 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 community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term 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.

Example of Course Identifier
<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code</th>
<th>Century Digit</th>
<th>Decade Digit</th>
<th>Unit Digit</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

English Composition Lower (Freshman) Level at this institution Freshman Composition Freshman Composition Skills Freshman Composition Skills I No Laboratory component in this course
### 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. **College preparatory and vocational preparatory courses.**

E. **Graduate courses.**

F. **Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.**

G. **Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academe certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (i.e., portfolio, audition, interview, etc.).**

#### Courses at Nonregionally Accredited Institutions

The 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 32305-0400. Special reports and technical information may be requested by calling the SCNS office at 850-245-0427 or at http://scns.fldoe.org.

<table>
<thead>
<tr>
<th>ABE</th>
<th>Agricultural and Biological Engineering</th>
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</thead>
<tbody>
<tr>
<td>ABB</td>
<td>Arabic Culture in Translation or Translation Skills</td>
</tr>
<tr>
<td>ABW</td>
<td>Arabic Literature (Writings)</td>
</tr>
<tr>
<td>ACG</td>
<td>Accounting: General</td>
</tr>
<tr>
<td>ACO</td>
<td>Accounting: Occupational/Technical Variable Paced</td>
</tr>
<tr>
<td>ACR</td>
<td>HVAC/R, Heating/Ventilation/Air Conditioning/Refrigeration: Technology</td>
</tr>
<tr>
<td>ADE</td>
<td>Adult Education</td>
</tr>
<tr>
<td>ADV</td>
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<td>Agricultural Economics and Business</td>
</tr>
<tr>
<td>AEC</td>
<td>Agricultural Education and Communication</td>
</tr>
<tr>
<td>AEE</td>
<td>Agricultural and Extension Education</td>
</tr>
<tr>
<td>AER</td>
<td>Automotive Mechanics</td>
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</tr>
<tr>
<td>STS</td>
<td>Statistical Theory</td>
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<tr>
<td>TMR</td>
<td>Technical Management</td>
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<tr>
<td>TPC</td>
<td>Technical Drafting (PSAV Level)</td>
</tr>
<tr>
<td>TTM</td>
<td>Technical and Transportation Management</td>
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<tr>
<td>TRA</td>
<td>Transportation and Logistics</td>
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<tr>
<td>TSV</td>
<td>Teaching English As A Second Language</td>
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<td>TTE</td>
<td>Transportation Engineering</td>
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<td>TUR</td>
<td>Turkish Language</td>
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<tr>
<td>TUT</td>
<td>Turkish Culture in Translation or Translation Skills</td>
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<tr>
<td>URP</td>
<td>Urban and Regional Planning</td>
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<tr>
<td>URS</td>
<td>Urban and Regional Studies</td>
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<tr>
<td>VAR</td>
<td>Variable-Paced Architecture</td>
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<tr>
<td>VEC</td>
<td>Vegetable Crops</td>
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<tr>
<td>VEM</td>
<td>Veterinary Medicine Professional</td>
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<tr>
<td>VIC</td>
<td>Visual Communication</td>
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<tr>
<td>VME</td>
<td>Veterinary Medicine Graduate</td>
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<tr>
<td>VPI</td>
<td>Vocational Preparatory Instruction</td>
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<tr>
<td>VTV</td>
<td>Vietnamese Culture in Translation or Translation Skills</td>
</tr>
<tr>
<td>WEL</td>
<td>Wildlife Science</td>
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<tr>
<td>WIS</td>
<td>Wildlife Science</td>
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<tr>
<td>WOH</td>
<td>World History</td>
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<tr>
<td>WOL</td>
<td>Wolof Language</td>
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<td>WOT</td>
<td>Wolof Culture in Translation or Translation Skills</td>
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<td>WOW</td>
<td>Wolof Literature (Writings)</td>
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<td>WST</td>
<td>Women’s Studies</td>
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<tr>
<td>XHO</td>
<td>Xhosa Language</td>
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<td>XHT</td>
<td>Xhosa Culture in Translation or Translation Skills</td>
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<td>YOR</td>
<td>Yoruba Language</td>
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<tr>
<td>ZOO</td>
<td>Zoology</td>
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</tbody>
</table>
Courses Numbered 0-999

Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses

In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

Special Undergraduates Grad

Directed Independent Studies 1906, 2905, 3905, 4906, 5907
Directed Independent Research 4912, 5917
Special Undergraduate Research IDS 3913, 4914
Special Topics/Seminars 1931, 2930, 3932, 5937
*Internship, Practicum, Clinical Pract 3940, 4941, 5944
Cooperative Education 1949, 2949, 3949, 4949, 5949
Honors Undergraduate Thesis 3970H, 4970H
Honors Directed Reading 4903H
Honors Directed Reading* 4904H
Study Abroad 4955, 5957

*These courses may be assigned variable credit. Some may be repeated upon approval.

1 The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

2 Enrollment is limited to those students who are fully admitted to the Graduate Program.

3 Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.
CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.
CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example:

ART 2500C CAH-ART 3(2,4)

ART 2500C is offered by the College of Arts and Humanities (CAH), in the Department of Art (ART), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

College/School/Department Indicator

Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = Medicine, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HM = Hospitality Management, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

<table>
<thead>
<tr>
<th>College/School</th>
<th>Department</th>
<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA Accounting</td>
<td>Accounting</td>
<td>ACCT</td>
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<tr>
<td>BA Business</td>
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<td>BA Economics</td>
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<td>BA Finance</td>
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<td>MAR</td>
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<td>CAH Art</td>
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<tr>
<td>CAH Arts &amp; Humanities</td>
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<td>CAH Digital Media</td>
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<td>CAH Judaic Studies</td>
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<td>CAH Music</td>
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<td>CAH Philosophy</td>
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<td>CAH Theatre</td>
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<td>CAH Women's Studies</td>
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<tr>
<td>COM Molecular Biology &amp; Microbiology</td>
<td>M&amp;M</td>
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<td>CON Nursing</td>
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<td>COS Biology</td>
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<td>COS Mathematics</td>
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<td>COS Physics</td>
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<td>COS Psychology</td>
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<td>COS Radio/TV</td>
<td>Radio/TV</td>
<td>RTV</td>
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<tr>
<td>COS Sociology &amp; Anthropology</td>
<td>Sociology &amp; Anthropology</td>
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<td>COS Statistics</td>
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<td>ECS Air Force ROTC-Aerospace</td>
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<td>CEE</td>
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<tr>
<td>ECS Electrical Eng &amp; Computer Sci</td>
<td>Electrical Eng &amp; Computer Sci</td>
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<td>ECS Industrial &amp; Management</td>
<td>Industrial &amp; Management</td>
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<td>ECS Mechanical/Materials/Aerospace</td>
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<td>ECS Military Science-Army ROTC</td>
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<td>ED Child, Family &amp; Comm Services</td>
<td>Child, Family &amp; Comm Services</td>
<td>CFCS</td>
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<td>ED Education</td>
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<td>ED Ed Research, Tech &amp; Lead</td>
<td>Ed Research, Tech &amp; Lead</td>
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<td>ED Educational Foundations</td>
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<tr>
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<td>EDS</td>
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<td>ED Human Services/Wellness</td>
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<tr>
<td>ED Instructional Programs</td>
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<tr>
<td>ED Teaching &amp; Learning Principles</td>
<td>Teaching &amp; Learning Principles</td>
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<td>HM Hospitality Management</td>
<td>Hospitality Management</td>
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<tr>
<td>HPA Communicative Disorders</td>
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<td>COMM</td>
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<tr>
<td>HPA Criminal Justice &amp; Legal Studies</td>
<td>Criminal Justice &amp; Legal Studies</td>
<td>CJLS</td>
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<tr>
<td>HPA Health &amp; Public Affairs</td>
<td>Health &amp; Public Affairs</td>
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<td>HPA Health Information Management</td>
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<td>HPA Health Professions</td>
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<td>HPA Public Administration</td>
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<td>PUB</td>
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<tr>
<td>HPA Social Work</td>
<td>Social Work</td>
<td>SOW</td>
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<tr>
<td>UGST Undergrad/Interdisc Studies</td>
<td>Undergrad/Interdisc Studies</td>
<td>INTERDISC</td>
</tr>
</tbody>
</table>
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.

AGC 2021 BA-ACCT 3(3,0)
Principles of Financial Accounting: PR: Sophomore standing and MAC 1105C with a "C" (2.0) or better. Nature of accounting, financial statements, the accounting cycle, assets, current liabilities, long-term debt, and owner’s equity; accounting for proprietorships and corporations. Fall, Spring.

AGC 2021H BA-ACCT 3(3,0)
Honors Principles of Financial Accounting: PR: MAC 1105C with a "C" (2.0) or better, and consent of Honors. Same as AGC 2021 with honors level content. Occasional.

AGC 2071 BA-ACCT 3(3,0)
Principles of Managerial Accounting: PR: AGC 2021 and MAC 1105C, each with a "C" (2.0) or better. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

AGC 3082 BA-ACCT 3(3,0)
Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

AGC 3131 BA-ACCT 3(3,0)
Intermediate Financial Accounting I: PR: Junior standing, Accounting major or minor, and MAC 1105C, Fall, MAC 1105C and AGC 2071 with a grade of "C" (2.0) or better. Technical knowledge about accounting measurement and disclosure, as well as how financial statements are analyzed and interpreted by external users. Fall, Spring.

AGC 3141 BA-ACCT 3(3,0)
Intermediate Financial Accounting II: PR: Accounting major or minor, AGC 3131 with a grade of "C" (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.

AGC 3361 BA-ACCT 3(3,0)
Cost Accounting I: PR: Junior standing, Accounting major or minor, and MAC 1105C, ECO 2013, ECO 2023, AGC 2071, each with a grade of "C" (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.

AGC 3501 BA-ACCT 3(3,0)
Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of "C" (2.0) or better in AGC 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.

AGC 4252 BA-ACCT 3(3,0)
International Financial and Managerial Accounting: PR: Accounting major or minor, AGC 2021, AGC 2071, each with a "C" (2.0) or better. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. Occasional.

AGC 4284 BA-ACCT 3(3,0)
Financial Reporting for Consolidated Entities: PR: AGC 3141 with a "C" (2.0) or better. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. Occasional.

AGC 4401C BA-ACCT 3(3,1)
Accounting Information Systems: PR: Accounting major or minor, AGC 3131 and CGS 2100C, each with a grade of "C" (2.0) or better. Manual and computer-based accounting information systems. Fall, Spring.

AGC 4651 BA-ACCT 3(3,0)
Auditing: PR: Accounting major or minor, AGC 3141 and AGC 4401C, each with a grade of "C" (2.0) or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

AGC 4671 BA-ACCT 3(3,0)
Internal Auditing: PR: Accounting major or minor, AGC 3141 or AGC 3361, each with a "C" (2.0) or better. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

AGC 4803 BA-ACCT 3(3,0)
Contemporary Issues in Accounting: PR: AGC 3141, AGC 3361, AGC 4401C, TAX 4001, each with a "C" (2.0) or better. A study of accounting that integrates knowledge gained in previous accounting coursework through critical analysis, practical research assignments, and capstone cases. Fall, Spring.

AFA 2300 CAH-AAS 3(3,0)

AFA 3102 CAH-AAS 3(3,0)
Black Perspectives: A Multidisciplinary Approach: PR: ENC 1102. Key issues and methodologies in African American Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.

AFA 3104 CAH-AAS 3(3,0)
The Black Intellectual Experience: PR: ENC 1102. Interdisciplinary examination of major texts, theories, practices and philosophic foundations in Black intellectual and cultural history. Fall, Spring.

AFA 3371 CAH-AAS 3(3,0)
Evolution of Hip Hop: PR: AFA 3104 or C.I. An historical analysis of Hip Hop from its African roots to the present with emphasis on the socio-political implications of this phenomenon. Occasional.

AFA 3420 CAH-AAS 3(3,0)

AFA 3955 CAH-AAS 3(6,0)
Study Abroad in Eastern Caribbean: PR: LAS 4023 or Junior standing. Interdisciplinary study abroad program focuses on the arts and humanities of African diasporic cultures in the Eastern Caribbean. Occasional.

AFA 4105 CAH-AAS 3(3,0)

AFA 5930 CAH-AAS 3(3,0)
Topics in African American Studies: PR: Graduate standing or senior standing or C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideals on 20th century American society. Occasional.

AFH 3100 CAH-HIST 3(3,0)
African History to 1870: PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.

AFH 3200 CAH-HIST 3(3,0)

AFH 5259 CAH-HIST 3(3,0)
Colloquium in African History: PR: Graduate standing or C.I. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times. Odd Fall.

AFH 5806 CAH-HIST 3(3,0)
The Historiography of Slavery in Africa: PR: Graduate standing or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

AFR 1101C ECS-AFROTC 1(1,2)

AFR 1111C ECS-AFROTC 1(1,2)
AMH 2020 CAH-HIST 3(3,0)
U.S. History: 1877-Present: Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. Fall, Spring.

AMH 2010H CAH-HIST 3(3,0)

AMH 3370 CAH-HIST 3(3,0)
American Economic History: PR: AMH 2010 and AMH 4120 or C.I. An introduction to the economic development of the U.S., with emphasis on agriculture, labor, industrialization, transportation, and banking. Occasional.

AMH 3402 CAH-HIST 3(3,0)
History of the South to 1865: PR: AMH 2010 or AMH 2020 or C.I. Development of the southern colonies, beginning sectionalism, the cotton economy, and slavery. Calhoun’s constitutional theories, secession, Civil War and its aftermath. Occasional.

AMH 3403 CAH-HIST 3(3,0)
History of the South Since 1865: PR: AMH 2010 and AMH 4120 or C.I. Reconstruction, the “solid South” and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.

AMH 3422 CAH-HIST 3(3,0)

AMH 3425 CAH-HIST 3(3,0)

AMH 3441 CAH-HIST 3(3,0)
History of the Frontier: Eastern America: PR: AMH 2010 and AMH 2020 or C.I. The progression of the westward movement from the colonial settlements to the Mississippi, considered as an interpretive approach to American history. Occasional.

AMH 3442 CAH-HIST 3(3,0)
History of the Frontier: Western America: PR: AMH 2010 and AMH 2020 or C.I. The development of the trans-Mississippi West and its impact upon American history. Occasional.

AMH 3541 CAH-HIST 3(3,0)
U.S. Military History To 1900: PR: AMH 2010 and AMH 2020, U.S. military history from the colonial period to 1900 focusing on the creation of American military institutions, conduct of war, and influence on society. Occasional.

AMH 3547 CAH-HIST 3(3,0)

AMH 3558 CAH-HIST 3(3,0)

AMH 3561 CAH-HIST 3(3,0)

AMH 3562 CAH-HIST 3(3,0)

AMH 3571 CAH-HIST 3(3,0)

AMH 3572 CAH-HIST 3(3,0)

AMH 3586 CAH-HIST 3(3,0)
History of the Hispanic Minorities in the U.S.: Course begins with 16th century through the modern period. Special emphasis on Chicanos, Puerto Ricans, and Cubans. Occasional.

AMH 3610 CAH-HIST 3(3,0)

AMH 3611 CAH-HIST 3(3,0)

AMH 3800 CAH-HIST 3(3,0)
Canadian History: Canada since Colonial times and the present, but with emphasis on the period since the British North America Act, 1867. Occasional.

AMH 4110 CAH-HIST 3(3,0)
Colonial America, 1607-1763: PR: AMH 2010 and AMH 2020 or C.I. The voyage of discovery, the origins of the thirteen colonies, and their political, economic, social, and religious life in the 17th and 18th centuries. Occasional.

AMH 4112 CAH-HIST 3(3,0)
The Atlantic World: PR: C.I. The impact and transforming effect of the Atlantic System on the peoples of Western Europe, Western Africa, the Caribbean and the Americas. Occasional.

AMH 4130 CAH-HIST 3(3,0)

AMH 4140 CAH-HIST 3(3,0)

AMH 4160 CAH-HIST 3(3,0)

AMH 4170 CAH-HIST 3(3,0)

AMH 4201 CAH-HIST 3(3,0)

AMH 4231 CAH-HIST 3(3,0)
United States History: 1914-1939: PR: AMH 2010 and AMH 2020, or C.I. The progressive reforms of Woodrow Wilson, World War I, post-war prosperity, the Depression, the New Deal, and the coming of World War II. Occasional.

AMH 4270 CAH-HIST 3(3,0)

AMH 4273 CAH-HIST 3(3,0)

AMH 4311 CAH-HIST 3(3,0)
American Culture I: PR: AMH 2010 and AMH 2020, or C.I. The European Backgrounds: Puritanism; Enlightenment; the Great Awakening; Revolutionary Thought; Romanticism; the Southern Mind and the Yankee Response; Popular Culture and the rise of recreation. Occasional.

AMH 4313 CAH-HIST 3(3,0)
American Culture II: PR: AMH 2010 and AMH 2020, or C.I. The Darwinian Revolution; revolt of the intellectuall; the media explosion; mass entertainment in mass culture; the loss of community, the nuclear age, and presentiment. Occasional.

AMH 4375 CAH-HIST 3(3,0)

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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>AMH 4510</td>
<td>CAH-HIST</td>
<td>Rise of the United States to World Power, 1776-1914: PR: AMH 2010 and AMH 2020, or C.I.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 4512</td>
<td>CAH-HIST</td>
<td>US Diplomatic History; 1914-1945: PR: AMH 2010 and AMH 2020, or C.I. U.S. diplomacy from World War I through World War II.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 4513</td>
<td>CAH-HIST</td>
<td>United States as a Great Power; 1945-Present: PR: AMH 2020 or C.I. U.S. diplomacy from World War II to the present.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 4573</td>
<td>CAH-HIST</td>
<td>Black Militancy in the 20th Century: PR: AMH 2010 and AMH 2020 or C.I. The rise and development of black militant organizations and how these groups have been influenced by hostile foreign entities.</td>
<td>3(3,0)</td>
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<tr>
<td>AMH 4644</td>
<td>CAH-HIST</td>
<td>Viewing American History in the Twentieth Century: PR: AMH 2010 and AMH 2020 or C.I. Examinations of television, film, comics, and other popular media as primary sources in the study of U.S. History in the 20th Century.</td>
<td>3(3,0)</td>
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<tr>
<td>AMH 4650</td>
<td>CAH-HIST</td>
<td>History of U.S. Aviation: PR: AMH 2010 or AMH 2020, AMHS 2000, or C.I. American Aviation in the United States and its role in American culture.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 4680</td>
<td>CAH-HIST</td>
<td>Women in American Science: PR: AMH 2010 or AMH 2020, or C.I. Society and gender in the history of American science.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5116</td>
<td>CAH-HIST</td>
<td>Colloquium in U.S. Colonial History: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics in colonial American History.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5137</td>
<td>CAH-HIST</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5149</td>
<td>CAH-HIST</td>
<td>Colloquium in Early U.S. History, 1789-1815: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5169</td>
<td>CAH-HIST</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5176</td>
<td>CAH-HIST</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5219</td>
<td>CAH-HIST</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5296</td>
<td>CAH-HIST</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5378</td>
<td>CAH-HIST</td>
<td>History of Technology: PR: Graduate standing or C.I. Introduces the history of technology’s role in historical events, and society’s role in shaping technology.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5391</td>
<td>CAH-HIST</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5406</td>
<td>CAH-HIST</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5515</td>
<td>CAH-HIST</td>
<td>Colloquium in U.S. Diplomatic History: PR: Graduate standing or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit only when course content is different.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5566</td>
<td>CAH-HIST</td>
<td>Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Women in American History from colonial time to the present.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5925</td>
<td>CAH-HIST</td>
<td>Colloquium in U.S. Military History: PR: Graduate standing or senior standing or C.I. Readings in selected topics in United States military history. May be used in the degree program a maximum of 3 times only when course content is different.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AMH 5937</td>
<td>CAH-HIST</td>
<td>AP American History: PR: Graduate standing or senior standing or C.I. The participation of American students in the development of American history.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 3031</td>
<td>CAH-ENG</td>
<td>American Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from beginning through Whitman.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 3041</td>
<td>CAH-ENG</td>
<td>American Literature II: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from the modern period.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 3283</td>
<td>CAH-ENG</td>
<td>Contemporary American Women’s Fiction: PR: Grade of C (2.0) or better required in ENC 1102. Examines the work of American women writers and feminist perspectives.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 3286</td>
<td>CAH-ENG</td>
<td>Early American Women’s Words: PR: ENC 1102. Women’s writings in the Americas from the 17th century through the mid-19th century.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 3613</td>
<td>CAH-ENG</td>
<td>Narratives of Slavery: PR: Grade of C (2.0) or better required in ENC 1102. Literary representations of New World slavery in the past and the present.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 3614</td>
<td>CAH-ENG</td>
<td>Topics in African-American Literature: PR: Grade of C (2.0) or better required in ENC 1102. Literature by and about African-American culture in the United States. May be repeated for credit.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 3615</td>
<td>CAH-ENG</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 3640</td>
<td>CAH-ENG</td>
<td>Native American Literature: PR: Grade of C (2.0) or better required in ENC 1101 and ENC 1102. Native American genres, including traditional oral narratives, ritual and contemporary poetry, autobiography, and the novel.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 3643</td>
<td>CAH-ENG</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 3682</td>
<td>CAH-ENG</td>
<td>African American Prose and Poetry: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3504. Major works of African American novelists.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 4101</td>
<td>CAH-ENG</td>
<td>American Novel: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3504. Study of major American novelists.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 4155</td>
<td>CAH-ENG</td>
<td>Modern American Poetry: PR: Grade of C (2.0) or better required in ENC 3504. Major American poets of the modern (1900-1950) period.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 4261</td>
<td>CAH-ENG</td>
<td>Literature of the South: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3504 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, Faulkner, Porter, Waren, O‟Connor, Perky, and Stryon.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 4265</td>
<td>CAH-ENG</td>
<td>Florida Writers: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3504. This course will examine writers who have lived in and written about Florida, such as Hemingway, Rawlings, Hurston, and Stevens.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 4300</td>
<td>CAH-ENG</td>
<td>Major American Authors: PR: Grade of C (2.0) or better required in ENC 3504. A comprehensive study of selected major American literary figures. May be repeated for credit only when course content is different.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 4304</td>
<td>CAH-ENG</td>
<td>Whitman and His Heirs: PR: Grade of C (2.0) or better required in ENC 3504. The work of American poet, Walt Whitman (1819-1892), and his influence on modern American poetry.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 4321</td>
<td>CAH-ENG</td>
<td>Modern American Literature: PR: Grade of C (2.0) or better required in ENC 3504. Major writers of modern American literature.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 4630</td>
<td>CAH-ENG</td>
<td>Latino/Latina Literature: PR: Grade of C (2.0) or better required in ENC 3504. Major works by writers from Latin American backgrounds.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>AML 5076</td>
<td>CAH-ENG</td>
<td>American Literature: Colonial to Contemporary: PR: Graduate status or senior standing or C.I. Intended for graduate students and future teachers of American Literature, this course surveys texts produced in America from the colonial period to the present.</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>
Civilization I: Honors Elementary Arabic Language and ARA 1120H CAH-LANG 4(4,1) Occasional.


ARA 2200 CAH-LANG 3(3,1) Intermediate Arabic Language and Civilization II: PR: ARA 1120 or C.I. Continuation of ARA 1120 with emphasis on Arabic cultural Fall, Spring.

ARC 3161 CAH-CAH 3(3,0) Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Continuation of computer-aided design programs currently utilized by professional practices. Odd Spring.

ARC 3320L CAH-CAH 6(0,9) Architectural Design 6: PR: PR: ARC 3320L. 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-CAH 3(3,0) Materials and Methods of Construction 2: CR: ARC 4220L, ARC 3320L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.

ARC 3503 CAH-CAH 3(3,0) Architectural Structures: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. CR: ARC 3320L. Principles of structural behavior in withstand gravity and lateral forces. Considers structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.

ARC 3610 CAH-CAH 3(3,0) Environmental Technology 1: CR: ARC 3320L. Principles and practices relating to control of the thermal/ atmospheric environment and plumbing in buildings. Odd Spring.

ARC 3743 CAH-CAH 3(3,0) Architectural History 3: CR: ARC 3320L. Social, political, economic, technological, and cultural forces on design and construction from 1850, including architect's role in civil society and theoretical positions of architects and architectural schools. Even Fall.

ARC 4220 CAH-CAH 3(3,0) Architectural Theory 2: CR: ARC 4220L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

ARC 4322L CAH-CAH 6(0,9) Architectural Design 7: PR: ARC 3332L. Control over architectural processes to solve design needs through appropriate program, development and construction technology. Complete building as a final product, emphasizing on urban and suburban housing projects. Odd Fall.

ARC 4323L CAH-CAH 6(0,9) Architectural Design 8: PR: ARC 3322L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

ARC 4620 CAH-CAH 3(3,0) Environmental Technology 2: CR: ARC 4220L. PR: ARC 3610 or C.I. Continual development of architectural lighting, acoustics, electrical power distribution and building communications. Odd Fall.

ARE 2000 ED-CFCF 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 3905 CAH-SVAD 12(0,12) Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

ARE 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: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. Occasional.

ARE 4313 ED-TL&L 1(1,0) Art in the Elementary School: PR: EDF 2000; CRI: MUE 3210, HLP 4720, RED 4319, MAE 4320, and EDE 3942. Basic principles, purposes, scope and sequence organization for instruction; evaluation of activities; selected art experiences. Fall, Spring. M&S fee $5.00

ARE 4351 ED-TL&L 3(2,1) Teaching Art in the Secondary School: CR: EDF 4214 and EDF 4323. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee $5.00

ARE 4352 ED-TL&L 3(2,1) Teaching Art in the Secondary School: CR: EDF 4214, and EDF 4323. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring. M&S fee $5.00

ARE 4356 ED-TL&L 3(3,1) Teaching Art Appreciation & Criticism in the Classroom: CR: 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 $5.00

ARE 4453 ED-TL&L 3(3,0) Studio Experiences in Art Education: PR: Permission of Honors. Continuation 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 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 5339 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 5453 ED-TL&L 3(3,0) Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee $5.00

ARE 5648 ED-TL&L 3(3,0) Contemporary Visual Arts Education: PR: ARE 4443 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. Occasional.

ARH 2050H CAH-SVAD 3(3,0) Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-SVAD 3(3,0) History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.

ARH 2051H CAH-SVAD 3(3,0) Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500 CAH-SVAD 3(3,0) History of Western Art: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.

ARH 3471 CAH-SVAD 3(3,0) Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3520 CAH-SVAD 3(3,0) African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. Occasional.

ARH 3610 CAH-SVAD 3(3,0) African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. Occasional.

ARH 3632H CAH-SVAD 3(3,0)

ARH 3670 CAH-SVAD 3(3,0)
20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.

ARH 3673 CAH-SVAD 3(3,0)
Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1960's. Occasional.

ARH 3674 CAH-SVAD 3(3,0)

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 relation to the so-called fine arts and popular arts. Occasional.

ARH 3716 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 3718 CAH-SVAD 3(3,0)
20th Century Photographic History: PR: Junior Standing or C.I. An examination of the history of the evolution of still photography in 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 3721 CAH-SVAD 3(3,0)
History of Illustration: PR: ARH 2050 and ARH 2051 or C.I. 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 the art and architecture of ancient Rome 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 4210 CAH-SVAD 3(3,0)
Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. Occasional.

ARH 4350 CAH-SVAD 3(3,0)
Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. Occasional.

ARH 4352 CAH-SVAD 3(3,0)
Italian Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.

ARH 4430 CAH-SVAD 3(3,0)
19th Century Art: PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.

ARH 4450 CAH-SVAD 3(3,0)
20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of the art from Fauvism, 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)
Mesoamerican Art: PR: Junior Standing or C.I. A survey of the art of Mexico and Central America, from the Pre-Columbia, through the Spanish Colonial, to the 20th century. Occasional.

ARH 4800 CAH-SVAD 3(3,0)
Theory and Criticism of the Visual Arts: PR: ARH 2050 and ARH 2051 or C.I. Explores criteria of art criticism and theoretical approaches to art meaning through time; art examples from various periods/cultures. Occasional.

ARH 4871 CAH-SVAD 3(3,0)
Women in Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of women artists from ancient times to the present, as well as a study of the role Aesthetics and Ideology have played in determining representations of women in art. Occasional.

ARH 5897 CAH-SVAD 3(3,0)
Advanced Seminar in Art History: PR: ARH 2050 and ARH 2051 or C.I. Research methods on various topics including: major artist, monument, cultural period or theme. Occasional.

ART 2201C CAH-SVAD 3(2,4)
Beginning Ceramics: PR: Three semester hours in three-dimensional work, ART 2201C, ART 2203C, ART 2300C, ART 2301C. Odd Fall. M&S fee $35.00

ART 2754C CAH-SVAD 3(2,4)
Beginning Drawing: PR: ART 2201C or C.I. Basic concepts of basic drawing, composition, and proportion. Even Fall, Odd Spring, M&S fee $35.00

ARH 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 2823H CAH-SVAD 3(3,0)
Honors Art as Interface: PR: Consent of Honors. An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum. Aesthetic characteristics shared among the disciplines and their use by the profession. With Honors content. Occasional.

ART 3151 CAH-SVAD 3(3,0)
Mixed Media: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Concepts and techniques involving the creation of art objects by integrating painting, sculpture, drawing, design, and art history. Occasional.

ART 3170C CAH-SVAD 3(2,4)

ART 3171C CAH-SVAD 3(2,4)
Materials 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 3175C CAH-SVAD 3(2,4)
Advanced Issues in Contemporary Book Arts: PR: ART 2201C, ART 2203C, ART 2300C, 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 3176C CAH-SVAD 3(2,4)
The Illuminated Book: PR: ART 2201C, ART 2203C, ART 2300C, ART 3170C, and ART 3171C. 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 3321C CAH-SVAD 3(2,4)

ART 3332C CAH-SVAD 3(2,4)

ART 3432C CAH-SVAD 3(2,4)
ART 3504C CAH-SVAD 3(2,4)
Intermediate Painting: Pr: ART 2201C, ART 2203C, ART 2300C, and ART 2301C. Reinforces and extends methods and materials content of ART 2500C, and deals with issues of figurative painting. Fall, Even Spring. M&S fee $15.00

ART 3616C CAH-SVAD 3(3.0)
Animation Production Methods: Pr: ART 2201C, ART 2203C, ART 2300C, ART 2301C, 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 $25.00

ART 4174C CAH-SVAD 3(2.4)

ART 4177C CAH-SVAD 3(2.4)
Commercial Book Design and Publishing: Pr: ART 2823 and Junior standing or C.I. Analysis of art and design elements and their interpretation from a historical perspective. Occasional.

ART 4226C CAH-SVAD 3(3.3)

ART 4320C CAH-SVAD 3(2.4)
Advanced Drawing: Pr: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3332C. May be repeated for credit. Fall, Spring.

ART 4402C CAH-SVAD 3(3.0)
Advanced Printmaking: Pr: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced problems in printmaking. May be repeated for credit. Even Spring, Fall, Spring. M&S fee $30.00

ART 4505C CAH-SVAD 3(2.4)
Advanced Painting: Pr: ART 2201C, ART 2203C, ART 2300C, ART 2301C, CAT 2701C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring, M&S fee $15.00

ART 4634C CAH-SVAD 3(3.1)
Web Art: Pr: ART 2823 or C.I. The Web as a medium for art. Occasional.

ART 4644C CAH-SVAD 3(2.4)

ART 4710C CAH-SVAD 3(2.4)
Advanced Sculpture: Pr: ART 2201C, ART 2203C, ART 2300C, ART 2301C, 2701C, and a satisfactory portfolio review or C.I. Advanced problems in sculpture. May be repeated for credit. Fall, Spring. M&S fee $45.00

ART 4776C CAH-SVAD 3(2.4)
Ceramic Handbuilding II: Pr: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2701C, and a satisfactory portfolio review or C.I. Technical skills in manipulating form, function, volume, color and surface texture. Occasional. M&S fee $35.00

ART 4778C CAH-SVAD 3(2.4)

ART 4879C CAH-SVAD 3(2.4)
Ceramic Design and Methods: Pr: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3761C, and a satisfactory portfolio review or C.I. An in-depth understanding of the singular and diverse properties of clay and glaze materials. Occasional. M&S fee $35.00

ART 4935 CAH-SVAD 3(3.1)
BFA Exhibit/Seminar: Pr: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Must complete Studio course for BFA, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition. Spring. M&S fee $15.00

ART 4945L CAH-SVAD 6(0.6)
Advanced Design Lab: Pr: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. An interdisciplinary practice with students design and develop visual solutions for real world clients in partnership with industry. Occasional.

ART 4954 CAH-SVAD 3(3.0)
Scotland Study Abroad: Pr: ART 2823, ART 2301C, ART 2301C or C.I. Study abroad in Edinburgh, Scotland. May be repeated for credit. Occasional.

ART 4971 CAH-SVAD 3(2.4)
Senior Thesis: Pr: Senior Standing, Art major, and C.I. A capstone thesis for Art Animation majors. May be repeated for credit. Occasional. M&S fee $45.00

ART 5280C CAH-SVAD 3(3.3)
Serial Content and Classic Form I: Pr: Admission to MFA. Studio course exploring mid 20th century classics of pictographs, alphabet development, typographic design, and the computer as sequenced design concepts and tools. Fall, M&S fee $45.00

ART 5284 CAH-SVAD 3(2.4)
Design Theory and Methods: Pr: Admission to MFA or C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. Fall. M&S fee $45.00

ART 5670C CAH-SVAD 3(2.4)
Digital Illustration: Cr: ART 6683C. Methods and media effects usually associated with traditional illustration in a digital platform. Spring. M&S fee $45.00

ART 5694 CAH-SVAD 3(3.0)
Crosscultural Electronic Art and Design: Pr: Admission to MFA. Explores digital/electronic art and technology from mid 20th century to present. Explores key electronic artists and issues of the "art electronica" into the present. Spring.

ART 5695 CAH-SVAD 3(3.0)
WebArt I: Pr: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. Spring. M&S fee $45.00

ART 5696 CAH-SVAD 3(3.0)
Art, Design and Human Interactions: Pr: Admission to MFA. Exploration and design of interface interactions systems and technologies in contemporary society and culture including interaction design, web, electronic interface design, and publication design. Spring.

ART 5698 CAH-SVAD 3(3.0)
Concourse I: Pr: ART 5910 and ART 5820C and ART 5694, or C.I. Digital reproduction of studio works. Fall. M&S fee $45.00

ART 5811C CAH-SVAD 3(3.1)
The Professional Practice of Art: Pr: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisite), graduate status or senior standing, or C.I. Seminar class on political information pertaining to professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall. M&S fee $45.00

ART 5910 CAH-SVAD 3(3.0)
Studio Concentration I: Pr: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $45.00

ART 5934 CAH-SVAD 3(3.0)
The Modern Middle East: Islam to the 16th century. History of the Middle East and North Africa from the birth of Islam to the 16th century. Even Fall.

ASH 5485 CAH-HIST 3(3,0) U.S. China Relations: PR: Graduate standing or C.I. An in-depth study of the significant relations between China and the United States since the 18th century. Even Fall.

ASH 5925 CAH-HIST 3(3,0) Colloquium in South Asian History: PR: Graduate standing or C.I. Addresses key themes in South Asian history through selected readings. Offers a degree of flexibility in its coverage and will include significant readings only when course content is different. Occasional.

ASH 2140 HPA-COM SC&DIS 4(4,0) Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture, literature, research examined. Fall, Spring.


ASH 2510 HPA-COM SC&DIS 3(3,0) Issues of Deafness: PR: C.I. The impact of deafness on individual, family and social problems in the deaf community and culture, including historical and changing attitudes toward persons and disabilities. Occasional.

ASH 3444 HPA-COM SC&DIS 3(3,0) Introduction to Signed English and Culture of the Deaf: Vocabulary and grammar through introductory level. Conceptual basis of ASL discussed. Occasional.


AST 2002 COS-PHYS 3(3,0) Astronomy: PR: High school algebra or MAC 1105C. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.


AST 2037 COS-PHYS 3(3,0) Life in the Universe: A thought-provoking journey through solar system environments and extrasolar planets to establish the probability of life on other planets in our solar system and beyond. Occasional.

AST 2720L COS-PHYS 1(0,2) Astronomy Techniques: PR: AST 2002. Introduction to basic astronomical equipment, observing/recording techniques, safety issues, and security practices needed during Public Viewing Nights at the Robinson Observatory. Fall, Spring.

AST 3110 COS-PHYS 3(3,0) Solar System Astronomy: PR: AST 2002, PHY 2053C. Interdisciplinary approach to the dynamics of the Solar System through application of Physics, Atmospheric Science, Chemistry, and Geology. Even Fall.


AST 3402 COS-PHYS 3(3,0) Galaxies and Cosmology: PR: AST 2002 and PHY 2045C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.


AST 4700 COS-PHYS 3(3,0) Experimental Methods in Astronomy: PR: AST 2002, PHY 2045, and Senior standing, or C.I. Experimental design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; astronomical quantification and interpretation of light. Even Spring.

AST 4762C COS-PHYS 3(3,1) Astronomical Data Analysis: PR: MAC 2313, ability to write simple computer programs, and an upper level course in astronomy or planetary science, or C.I. Astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.

AST 5145 COS-PHYS 3(3,0) Advanced Asteroids, Comets, and Meteorites: PR: Graduate standing or C.I. An advanced study of physical, chemical, mineralogical and orbital characteristics of Asteroids, Comets, and Meteorites, with an emphasis on the origin of our solar system. Odd Spring.

AST 5154 COS-PHYS 3(3,0) Advanced Planetary Geophysics: PR: Admission to Physics M.S. or Ph.D. or C.I. The physics of planetary evolution, planetary interiors, and planetary surface processes. Even Fall.

AST 5165 COS-PHYS 3(3,0) Planetary Atmospheres: PR: PHY 3220 and PHY 3101, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Even Spring.

AST 5263 COS-PHYS 3(3,0) Advanced Observational Astronomy: PR: Graduate standing in the Physics department or C.I. Experimental design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. Even Spring.

AST 5334 COS-PHYS 3(3,0) Extrasolar Planets and Brown Dwarfs: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamics, detection, and environments. Odd Spring.

AST 5765C COS-PHYS 3(3,1) Advanced Astronomical Data Analysis: PR: MATH 2313, a 3000-level or higher course in astronomy or planetary science, ability to write simple computer programs, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.

CGN 3501C  ECS-CECE  3(2,3)  Civil Engineering Materials: PR: EGN 3331, CHS 1440 or CHS 2045G and calculus with a grade of "C" (2.0) or better. The characterization of materials used in civil engineering works to include concrete, bituminous polymers and composite materials. Fall, Spring. M&S fee $30.00

CGN 3700C  ECS-CECE  4(3,2)  Civil Engineering Measurements: PR: MAC 2312 and CIV 2106 both with a grade of "C" (2.0) or better. This course covers engineering measurement, data analysis, hardware of experiments including electronics, system components and calibration, with specific applications in civil engineering. Spring. M&S fee $30.00

CGN 4300  ECS-CECE  3(3)  Civil Engineering Systems: PR: EGN 3613; MAC 2313; STA 3032. Mathematical techniques commonly associated with operations research and economics which are applicable to the planning, design, and operation of civil engineering systems. Occasional.

CGN 4808C  ECS-CECE  3(2,2)  CECE Capstone Design: PR: CGN 4300 and CGN 4526 with a grade of "C" (2.0) or better. Examination of Computer Systems: PR: CSE 3269 and CSE 3270. Computer literacy and C.I. Legal issues regarding seizure and chain of custody. Technical issues in acquiring computer evidence. Popular file systems are examined. Reporting issues in the legal system. Fall.

CHI 1120C  CAH-LANG  4(3,1)  Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.

CHI 1120H  CAH-LANG  4(4,0)  Honors Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. Occasional.


CHI 2200  CAH-LANG  3(3)  Intermediate Chinese I: PR: CHI 1121C or equivalent or C.I. Development of Chinese language skills at the intermediate level. Fall, Spring.

CHI 2201  CAH-LANG  3(3)  Intermediate Chinese II: PR: CHI 2200. Continuation of CHI 2200 with emphasis on Chinese cultures. Fall, Spring.

CHM 1020  COS-CHEM  3(3.0)  Concepts in Chemistry: PR: EGN 1052 or C.I. High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.

CHM 1032  COS-CHEM  3(3.0)  General Chemistry: PR: MAC 1105G or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course. Fall. Spring.

CHM 1032L  COS-CHEM  1(0,3)  General Chemistry Laboratory: PR: or CR CHM 1032. Preference will be given to students whose major requires this course. An introduction to laboratory methods and procedures in chemistry. Fall, Spring. M&S fee $54.00

CHM 2040  COS-CHEM  3(3.0)  Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C recommended. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermodynamics, atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall. M&S fee $60.00

CHM 2041  COS-CHEM  3(3.0)  Chemistry Fundamentals IB: PR: CHM 2040C or credit with a grade of "C" (2.0) or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2040C. Atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 4615</td>
<td>Environmental Chemistry</td>
<td>3(3,0)</td>
<td>PR: CHM 2046, senior level, chemistry or environmental sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.</td>
</tr>
<tr>
<td>CHS 5502</td>
<td>Principles of Forensic Science</td>
<td>3(3,0)</td>
<td>PR: Admission to Forensic Sciences MS program or C.I. Principles of forensic science crime scene investigation, concepts in physics and biological evidence, evidence collection and transport, discrimination and individualization of evidence. Occasional.</td>
</tr>
<tr>
<td>CHS 5504</td>
<td>Topics in Forensic Science</td>
<td>3(3,0)</td>
<td>PR: Admission to Digital Forensics M.S. or Computer Forensics graduate certificate. History and current topics in Forensic Science. Occasional.</td>
</tr>
<tr>
<td>CHS 5518</td>
<td>The Forensic Collection and Examination of Digital Evidence</td>
<td>3(3,0)</td>
<td>PR: Adv. topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. Occasional.</td>
</tr>
<tr>
<td>CHS 5596</td>
<td>The Forensic Expert in the Courtroom</td>
<td>3(3,0)</td>
<td>PR: Admission to Digital Forensics M.S. or Computer Forensics graduate certificate. History and current topics in Forensic Science. Occasional.</td>
</tr>
<tr>
<td>CIS 3003</td>
<td>Fundamentals of Information Technology</td>
<td>3(3,0)</td>
<td>PR: CGS 2545C and COP 3223. Pervasive themes in IT. Organizational issues. History of IT. IT and its related and informing disciplines. Application domains. Applications of math and statistics to IT. Fall.</td>
</tr>
<tr>
<td>CIS 4361</td>
<td>Secure Operating Systems and Administration</td>
<td>3(3,0)</td>
<td>PR: CIS 3360; CR: COP 4600 or CGS 3763 or EEL 4862. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. Occasional.</td>
</tr>
<tr>
<td>CIS 4615</td>
<td>Secure Software Development and Assurance</td>
<td>3(3,0)</td>
<td>PR: (CGS 3000 or CGS 3763) and (CIS 3360 or CIS 4362) or C.I. Thread modelling. Secure code life-cycle, Buffer overflows, race conditions and format string problems, Inputs and clients, File system, Cryptography applications, UMLsec, Java security and Reverse engineering. Occasional.</td>
</tr>
<tr>
<td>CIS 5105</td>
<td>Capacity Planning and Performance Evaluation of Public Services</td>
<td>3(3,0)</td>
<td>PR: COP 4600, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Web performance problems, basic performance concepts, quantitative models for web performance, planning the capacity of web services, understanding and characterizing the workload, measuring performance. Occasional.</td>
</tr>
<tr>
<td>CIS 5378</td>
<td>Designing Secure Transactions in Web Applications</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.</td>
</tr>
<tr>
<td>CJC 3101</td>
<td>Corrections and Penology</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. Fall, Spring.</td>
</tr>
<tr>
<td>CJC 3134</td>
<td>Prisons and Jails</td>
<td>3(3,0)</td>
<td>PR: CJC 3101. An overview and analysis of issues in institutional corrections, focusing on prison and jail history, inmates, guards, administration and management. Occasional.</td>
</tr>
<tr>
<td>CJC 3164</td>
<td>Community-Based Corrections</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 and CJC 3011. An overview and analysis of correction interventions and treatment programs in the community. Occasional.</td>
</tr>
<tr>
<td>CJC 4410</td>
<td>Correctional Interventions in Criminal Justice</td>
<td>3(3,0)</td>
<td>PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. Occasional.</td>
</tr>
<tr>
<td>CJC 5020</td>
<td>Foundations of Corrections</td>
<td>3(3,0)</td>
<td>PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. Occasional.</td>
</tr>
<tr>
<td>CJE 3001</td>
<td>Careers in Criminal Justice</td>
<td>3(3,0)</td>
<td>PR: Sophomore Standing and ENC 1102. Introductory course with focus on components of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. Fall, Spring.</td>
</tr>
<tr>
<td>CJE 3444</td>
<td>Crime Prevention</td>
<td>3(3,0)</td>
<td>PR: Sophomore Standing and ENC 1102. An overview and analysis of crime prevention strategies used in the private and public sectors. Fall, Spring.</td>
</tr>
<tr>
<td>CJE 3662</td>
<td>CJ Information Technology and Data Management</td>
<td>3(3,0)</td>
<td>PR: (Sophomore Standing and CGS 1060C) or C.I. Designed to familiarize with concepts and ingredients for successful investigations. Fall, Spring.</td>
</tr>
<tr>
<td>CJE 4012</td>
<td>Criminal Profiling in Criminal Justice</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.</td>
</tr>
<tr>
<td>CJE 4174</td>
<td>Comparative Justice Systems</td>
<td>4(4,0)</td>
<td>PR: CCJ 3024 and C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.</td>
</tr>
<tr>
<td>CJE 4352</td>
<td>Policy Development in Law Enforcement</td>
<td>3(3,0)</td>
<td>PR: Sophomore Standing and ENC 1102. The course is designed to teach policy development in law enforcement officials. Major issues of organization, administration, personnel practices and police operations will be addressed. Occasional.</td>
</tr>
<tr>
<td>CJE 4410</td>
<td>Community Policing</td>
<td>3(3,0)</td>
<td>PR: Sophomore Standing and ENC 1102. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. Occasional.</td>
</tr>
<tr>
<td>CJE 4572</td>
<td>Justice Agency Operations</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. Occasional.</td>
</tr>
<tr>
<td>CJE 4610</td>
<td>Criminal Investigation</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. A study of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.</td>
</tr>
<tr>
<td>CJE 4654</td>
<td>Criminal and Place</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. A study of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.</td>
</tr>
<tr>
<td>CJE 4663</td>
<td>Crime Mapping and Pattern Analysis</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. Provides an overview of case knowledge and hands on experience mapping crime and other spatial criminal justice data and analyzing crime patterns. Occasional.</td>
</tr>
<tr>
<td>CJE 5021</td>
<td>Foundations of Law Enforcement</td>
<td>3(3,0)</td>
<td>PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.I. Examines police role in modern society and law enforcement policy. Occasional.</td>
</tr>
<tr>
<td>CJE 4564</td>
<td>Juvenile Justice System</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 and CJ Majors or Victim Advocacy Certificate declared or C.I. Examines of juvenile justice system and juvenile court process, intake services, and remedial procedures and practices. Occasional.</td>
</tr>
<tr>
<td>CJE 4110</td>
<td>Criminal Law in Action</td>
<td>3(3,0)</td>
<td>PR: Sophomore Standing and ENC 1102. Basic concepts of criminal law. Elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.</td>
</tr>
<tr>
<td>CJE 3510</td>
<td>Prosecution and Adjudication</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Occasional.</td>
</tr>
<tr>
<td>CJE 4010</td>
<td>Legal Aspects of Policing</td>
<td>3(3,0)</td>
<td>PR: CCJ 4014. The legal dimensions of various police decision-making stages, including stop and frisk, searches and seizures wintappings, and interrogations. Occasional.</td>
</tr>
<tr>
<td>CJE 4046</td>
<td>Liability Issues in Criminal Justice</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.</td>
</tr>
</tbody>
</table>
CPO 3403H COS-POLS 3(3,0)
Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content. Occasional.

CPO 3614 COS-POLS 3(3,0)

CPO 4041 COS-POLS 3(3,0)
Politics of the Near & Middle East: PR: POS 2041 or C.I. Contemporary politics of the NAFTA region, analyzing important political and socio-economic issues. Occasional.

CPO 4062 COS-POLS 3(3,0)

CPO 4074 COS-POLS 3(3,0)
Political Economy: PR: Junior standing or C.I. Interpersonal relationships between political and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.

CPO 4101 COS-POLS 3(3,0)

CPO 4123 COS-POLS 3(3,0)
Government and Politics of Great Britain: PR: 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 COS-POLS 3(3,0)
Comparative Latin American Politics: PR: POS 2041 or INR 2002, or C.I. Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Even Fall.

CPO 4445 COS-POLS 3(3,0)
Comparative Political Parties: PR: POS 2041, and Junior standing or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.

CPO 4514 COS-POLS 3(3,0)

CPO 4541 COS-POLS 3(3,0)
Chinese Politics: PR: POS 2041 or C.I. China's political development since 1949. Occasional.

CPO 4553 COS-POLS 3(3,0)
Politics of Japan: PR: POS 2041 or CPO 3013 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. Occasional.

CPO 4643 COS-POLS 3(3,0)
Government and Politics of Russia: PR: POS 2041 or C.I. Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old Russian domain, and foreign policy. Occasional.

CPO 4710 COS-POLS 3(3,0)
Women in Comparative Politics: PR: Junior standing or C.I. A cross-national perspective on women and politics; how women behave politically in various political and economic contexts. Occasional.

CPO 4745 COS-POLS 3(3,0)
Comparative Political Institutions: PR: POS 2041, Junior standing or C.I. The course analyzes major types of political institutions from a comparative perspective including electoral laws, division of power, types of democracy, federalism, and the judiciary. Occasional.

CPO 4784 COS-POLS 3(3,0)
Political and Economic Inequality in Comparative Perspective: PR: POS 2041, Junior standing or C.I. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions. Occasional.

CPO 4794 COS-POLS 3(3,0)
Indigenous Politics and the Environment: PR: POS 2041 or C.I. An examination of environmental political issues specific to indigenous peoples around the world. Occasional.

CRW 3010H CAH-ENG 3(3,0)
Honors Creative Writing: PR: Honors GEP completion and permission of Honors. Theory and techniques of literary genres with honors level content; practice and critique of original writing by peers and critical reading of established authors. Occasional.

CRW 3011 CAH-ENG 3(3,0)
Creative Writing for Non-Majors: PR: Grade of C (2.0) or better required in ENC 1102. Only open to non-majors. The techniques of literary genres; the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. Fall, Spring.

CRW 3013 CAH-ENG 3(3,0)
Creative Writing for English Majors: PR: English major or minor, junior standing, and grade of C (2.0) or better required in ENC 1102, or C.I. Literary genres; practice and critique of peer writing; critical reading of established authors. Fall, Spring.

CRW 3053 CAH-ENG 3(3,0)
Theory & Practice of Creative Writing: PR: ENC 1101 & ENC 1102, completed with a grade of "C" or better. Examination of the genres and readings in contemporary creative writing with attention to literary technique, and discussion of issues in the field. Fall, Spring.

CRW 3120 CAH-ENG 3(3,0)
Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Writers present original nonfiction writing for class response and critique; peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 3211 CAH-ENG 3(3,0)
Creative Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. A intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. 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. Readership in the study of the characteristics of English, poetry, metrical systems, rhyme, scanison, and poetic rhetorical devices. Occasional.

CRW 3350 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 3484 CAH-ENG 3(3,0)
Creative Writing in the Community: 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. Teaching creative writing to community groups through service-learning. Occasional.
UCF Courses and Descriptions

CRW 5200 CAH-ENG 3(3,0) Graduate Writing Workshop: PR: Admission to Creative Writing MFA or C.I. Student writers present their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 4 times. Fall, Odd Spring.

CRW 5139 CAH-ENG 3(3,0) Formal and Theoretical Approaches to Creative Writing: PR: Admission to Creative Writing MFA or C.I. Formal and theoretical study of creative writing of given genre (poetry, short story, novel). May be used in the degree program a maximum of 3 times. Occasional.

CRW 5948C CAH-ENG 3(2,1) Creative Writing Service Learning: PR: Admission to Creative Writing MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 1 times. Occasional.

CWR 3201 ECS-CECE 3(3,0) Engineering Fluid Mechanics: PR: MAP 2302. EGN 3310 both with a grade of "C" (2.0) or better; CR: EGN 3321. Fundamentals of fluid mechanics with hydraulic applications. Fluid forces, fluid statics, dimensional analysis, energy, momentum, continuity, and steady flow. Fall, Spring.


CWR 4633C ECS-CECE 3(3,1) Water Resources Engineering II: PR: CWR 4632C with a grade of "C" (2.0) or better. Provision of advanced understanding of hydrology, hydrologic river routing, open/closed channel, and groundwater hydraulic and some engineering applications of these concepts. Fall, Spring.

CWR 4812C ECS-CECE 3(2,2) Water Resources Design: PR: CWR 4632C with a grade of "C" (2.0) or better and department consent. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall, Spring. M&S fee $15.00

CWR 5125 ECS-CECE 3(3,0) Groundwater Hydrology: PR: CWR 4633C or C.I. Theoretical and practical ground water movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.


CWR 5515 ECS-CECE 3(3,0) Numerical Methods in Civil and Environmental Engineering: PR: CWR 4633C or C.I. This course will present intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.

CWR 5545 ECS-CECE 3(3,0) Water Resources Engineering: PR: CWR 4633C or C.I. Theoretical and practical aspects and solutions to complex water allocation problems, and other hydraulic engineering designs and operations using economic analysis and operations research techniques. Occasional.

CWR 5634 ECS-CECE 3(3,0) Water Resources in a Changing Environment: PR: CWR 4632C or Water Resources Engineering I. To model and understand potential impact of climate change and human activities on hydrologic systems and various spatial and temporal scales. Odd Fall.

DAA 2100C CAH-THEA 2(2,1) Modern Dance I: PR: Theatre major, Dance minor, or department consent. Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Spring.

DAA 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 2101C. 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, and C (2.0) or better required in DAA 2200C. Intermediate classical ballet technique, including principles, theory, and practice technique. Spring.

DAA 2300 ED-CFCS 2(2,0) Ballroom Dance: Instruction in selected ballroom dances (foxtrot, waltz, rumba, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2351 ED-CFCS 2(2,0) Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (merengue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2393C CAH-THEA 2(2,1) World Dance: PR: Theatre major, Dance minor, or department consent. Theory and applied technique of world dance. Semester will focus to devoted to one form, such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. Occasional.

DAA 2520C CAH-THEA 2(2,1) Tap Dance I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521C CAH-THEA 2(2,1) Tap Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2520C. Intermediate exploration of form, style, and technique of tap dance. Spring.

DAA 2570C CAH-THEA 2(2,1) Jazz Dance I: PR: DAA 2200C, and Theatre major, or Dance minor, or department consent. Basic movements of American Jazz dance, including practical class work and Jazz dance history. Fall, Spring.

DAA 2571C CAH-THEA 2(2,1) Jazz Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2570C. Intermediate Jazz dance using theory and practice in jazz technique. Spring.

DAA 3108C CAH-THEA 2(2,1) Modern Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2101C. Advanced exploration of form, style, and technique in creative movement. May be repeated for credit. Spring.

DAA 3208C CAH-THEA 2(2,1) Ballet III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. Fall.


DAA 3365 CAH-THEA 3(3,0) Choreography Practicum: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C. Student practice in choreographing a concert dance work for public performance. May be included in the degree program a maximum of 5 times. Spring.

DAA 3684 CAH-THEA 1(0,VAR) Dance Performance: PR: Theatre major. Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Student performance in a concert dance work. May be repeated for credit. Spring, M&S fee $15.00

DAE 3370 ED-CFCS 3(1,2) Dance and Rhythmics: 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 3(3,0) Dance History I: PR: DAA 2200C or DAA 2520C or DAA 2570C or DAA 2393C, and Theatre major, Dance minor, or department consent. The roots, trends, and styles of dance from prehistory through the early 20th century. Fall.


DEP 2004H COS-PSYCH 3(3,0) Honors Developmental Psychology: PR: PSY 2012 and consent of Honors. Genetic, psychological, maturational, and social factors on behavior throughout the life cycle. With Honors content. Fall.

DEP 3302 COS-PSYCH 3(3,0) Psychology of Exceptional Children: PR: PSY 2012. Psychological problems of exceptional children, including diagnosis, associated emotional problems, effects of institutionalization, special class placement, attitudes, and appropriate intervention methods. Occasional.

DEP 3364 COS-PSYCH 3(3,0) Psychology of Aging: PR: PSY 2012. An examination of basic psychological processes related to the aging process, with emphasis on the applied implications of changes in perceptual-motor, social emotional and cognitive-intellectual functioning. Occasional.

DEP 5057 COS-PSYCH 3(3,0) Developmental Psychology: PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors. Spring.

DIG 2000 CAH-SVAD 3(3,0) Introduction to Digital Media: PR: ENC 1101 and MAC 1105C. Introduction to digital, principles, and processes associated with digital media and designing for digital media with emphasis on production and communication. Fall, Spring.

DIG 2030C CAH-SVAD 3(3,0) Digital Video Fundamentals: PR: ENC 1101 and MAC 1105C. Introduction to digital, principles, and processes associated with digital media and the tools and techniques of video and sound capture. Fall, Spring.


DIG 2821 CAH-SVAD 3(3,0) Creative Digital Media Problem Solving: PR: 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 3(3.0) Adventures in Emerging Media: PR: ENC 1101. Examination of rules and culture of emerging media. The course is presented online in a nonlinear "choose your own adventure" format. Occasional.

DIG 3024 CAH-SVAD 3(3.0) Digital Cultures & Narrative: PR: DIG 2303C; DIG 2109C, DIG 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Understanding digital cultures and narrative theories from an interdisciplinary perspective. Conceptual structure and design of visual and interactive storytelling. Fall, Spring.

DIG 3035 CAH-SVAD 3(1.0) Digital Media in the WorkPlace: PR: ENC 1102. Workplace preparation for Digital Media Professionals. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 3043 CAH-SVAD 3(3.0) Evocation of Video Games: PR: ENC 1103. Evolution of video games since the first game in the early 1990s to contemporary games. Fall.

DIG 3134 CAH-SVAD 3(3.0) Media Software Design: PR: DIG 3480C. Fundamentals of interactive software development within In-World Environments. Focus on server-side, scripting methodologies and database design. Fall, Spring.

DIG 3153 CAH-SVAD 3(3.0) Writing for Digital Media: PR: Minimum grade of "B" (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of method fundamentals in the following areas: language theory, document design, markup languages and the editing process. Fall, Spring.

DIG 3253C CAH-SVAD 3(2.2) Digital Media Audio: PR: DIG 3480C. Audio production processes for multimedia and new media production, including examination and use of audio and MIDI sequencing software. Fall, Spring.

DIG 3355C CAH-SVAD 3(2.2) Artificial Environments and Effects: PR: DIG 2109C and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. Fall, Spring.

DIG 3362C CAH-SVAD 3(2.2) Artificial Characters: PR: DIG 2109C and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium. Fall, Spring.


DIG 3450 CAH-SVAD 3(3.0) Interactive Performance I: PR: Admission by audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. Fall, Spring.

DIG 3450H CAH-SVAD 3(3.0) Honors Interactive Performance I: PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors consent. Occasional.

DIG 3480C CAH-SVAD 3(2.2) Computer as a Medium: PR: DIG 2500C and a minimum grade of "B" (3.0) in DIG 2000. Fundamentals of client-side scripting with an emphasis on web technologies. Development of interactive websites using current scripting languages. Fall, Spring.

DIG 3525 CAH-SVAD 3(3.0) Digital Media Production I: PR: DIG 2003C, DIG 2109C, DIG 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Media project planning, organization and execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.


DIG 3563 CAH-SVAD 3(3.0) Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and business aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial measures 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 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. Grade of S/U. Fall.

DIG 4104C CAH-SVAD 3(3.0) Web Design and Development: PR: DIG 3134C or 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 4204C, 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 artificial characters 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, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting. Spring.

DIG 4326C CAH-SVAD 3(1,4) Geometric Modelling 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 tools, 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 3353C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on composition, image processing, visual style, visual continuity. Spring.

DIG 4369C CAH-SVAD 3(1,4) Artificial Characters Workshop: PR: DIG 3362C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. Spring.

DIG 4373C CAH-SVAD 3(1,4) 3D Textures: PR: DIG 4323C or C.I. Advanced application of lighting and surfaces attributes, improving on the tools, concepts, and techniques learned in previous 3D courses. Spring.


DIG 4541C CAH-SVAD 3(1,4) Visual Storytelling and Visual Development Workshop: PR: DIG 3433C and successful portfolio review, or C.I. Techniques, mechanics of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4455 CAH-SVAD 3(3.0) Interactive Performance II: PR: DIG 3450C or C.I. Continuation of Interactive Performance I, with focus on the interaction of actors, audience participation, technology, and story structure. Spring.

DIG 4486C CAH-SVAD 3(1,4) Visual Language of Moving Image II: PR: DIG 3433C, successful portfolio review, or C.I. Application of techniques taught to design, create, and refine visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. Fall.


DIG 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 4524L CAH-SVAD 3(3.0) Digital Imaging Project I: PR: DIG 3525 and a minimum grade of “B” (3.0) or better in DIG 2000. Multidisciplinary students work with faculty and industry mentors to design and implement a project involving virtual reality, video game production, computer animation or interaction with the theme park industry. Odd Fall, Even Spring.

DIG 4526 CAH-SVAD 3(3.0) Digital Media Production II: PR: DIG 3525 and a minimum grade of “B” (3.0) or better in DIG 2000. Management and execution of large digital media projects, using structured methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4528 CAH-SVAD 3(3.0) Digital Media Project II: PR: DIG 4524L and a minimum grade of “B” (3.0) or better in DIG 2000. Continuation of IDS 4682. Odd Fall, Even Spring.

DIG 4530C CAH-SVAD 3(2,2) Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of text, image, and web 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 4360C, successful portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, theme and mood to help express a narrative for digital production. Fall.


DIG 4693C CAH-SVAD 3(2,2) Production Software Workshop: PR: DIG 3134C or C.I. Advanced programming techniques for a variety of web-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: 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(2,2) Game Design: PR: DIG 3024 and DIG 3525. Principles, and theories of video game design, including software, content, interaction, and game play design. Project based. Fall, Spring.

DIG 4715C CAH-SVAD 3(2,2) Game Production: PR: A minimum grade of “B” (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texture, level design, and audio. Project based. Fall, Spring.

DIG 4720C CAH-SVAD 3(2,2) Casual Game Production: PR: DIG 2500C, and a minimum grade of “B” (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-SVAD 3(2,2) Game Design Workshop: PR: DIG 4715C, FLL 3720, 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, prototyping, development, marketing and assessment paralleling the business world. Even Fall, Even Spring. M&S fee $45.00

DIG 5045C CAH-SVAD 3(1,3) Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.

DIG 5046C CAH-SVAD 3(1,3) Principles of Interactive Entertainment II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137 CAH-SVAD 3(3,0) Information Architecture: PR: Film and digital media majors or C.I. Exploration of the process of formal design of interactive processes, examining the theories of usability and object oriented design. Fall.
<table>
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<tr>
<th>Course Code</th>
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<tr>
<td>EAS 4300</td>
<td>ECS-MMAE 3103A: Aerothermodynamics of Propulsion Systems</td>
<td>3(3,0)</td>
<td>PR: EAS 3101 or EML 3701, EML 3800C, and department consent; CR: EAS 4200, EAS 4991. Application of the design process to the team solution of a state-of-the-art propulsion system and its components.</td>
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UCF Courses and Descriptions


ECP 4303 BA-ECON 3(3,0) Environmental and Natural Resource Economics: PR: ECO 3101. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the microeconomic and macroeconomic level. Odd Fall.

ECP 4403 BA-ECON 3(3,0) Industrial Organization and Game Theory: PR: ECO 3101. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries. Fall, Spring.


ECT 3062 ED-E&HS 3(3,0) Professional Role of the Vocational Teacher: PR: ECT 3571 or C.I. Occasional.


ECT 3371 ED-E&HS 3(3,0) Course Construction in Industrial Education: PR: ECT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the industrial education laboratory, and involvement in CAE. C.I. Occasional.

ECT 4004 ED-E&HS 3(3,0) Principles and Practices of Technical Education: PR: ECT 3365 or C.I. Integrating historical principles, career structure, and current trends in technical education. Fall.

ECT 4184 ED-E&HS 3(3,0) Curriculum Development Techniques for Industry Training: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainee's analysis skills. Spring.

ECT 4384 ED-E&HS 3(3,0) Advanced Teaching Techniques for Vocational Education: PR: ECT 3365 or C.I. Study, practice, and achievement of techniques including cooperative learning, simulation, instructional modeling and evaluation, instructional objectives. Fall.

ECT 4515 ED-E&HS 3(3,0) Safety in the Technical Education Classroom and Laboratory: PR: ECT 3365 or C.I. Federal regulations, safety practices, guidance, and support materials for technical trainers and teachers in school and industrial settings. Occasional.

ECW 3312 ED-E&HS 3(3,0) Course Construction in Health Occupations Education: PR: ECT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

ECW 3564 ED-E&HS 3(3,0) Special Populations in Career & Technical Education: PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. Spring.

ECW 5207 ED-E&HS 2(4-2,0) Management of Vocational Programs: PR: Rank III Certificate or C.I. Study and achievement of selected competencies of vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

ECW 5265 ED-E&HS 2(4-2,0) Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

ECW 5561 ED-E&HS 2(2-3,0) Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. Occasional.

EDE 3942 ED-TL&L 3(3,0) Internship I: PR: EDE 4410, RED 3012, RED 4519, MAE 2801, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EDE 3942H ED-TL&L 3(3,0) Honors Internship I: PR: MAE 2801, RED 3012, RED 4519, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher including professional study groups and seminars, fieldwork, and student teaching. Odd Fall.

EDE 4223 ED-TL&L 3(3,0) Integrated Arts and Movement in the Elementary School: PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and disposition to integrate arts and movement into the education of elementary school children. Fall, Spring. M.S fee $10.00


EDE 4945 ED-TL&L 1(1,0) Internship II Seminar: PR: All required program courses; CR: EDE 4943 Internship II. Cumulating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDEF 2050 ED-TL&L 3(3,0) Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.

EDEF 2077 ED-TL&L 3(3,0) Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and role and responsibilities of substitute teachers. Fall, Spring.

EDEF 2085 ED-TL&L 3(3,0) Introduction to Diversity for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDEF 2130 ED-TL&L 3(3,0) Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDEF 2250 ED-TL&L 3(3,0) Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.


EDEF 3120 ED-TL&L 3(3,0) Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.


EDEF 3601 ED-TL&L 3(3,0) Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EDEF 4214 ED-TL&L 3(3,0) Classroom Learning Principles: PR: EDE 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. Fall, Spring.

EDEF 4466 ED-E&HS 3(3,0) Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Fall, Spring.


EDEF 4467H ED-TL&L 3(3,0) Honors Learning Theory and Assessment: PR: EDE 2005, EDE 2005, 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.

EDEF 4603 ED-TL&L 3(3,0) Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDE 2005, EDE 2005, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact school in a democracy. Fall, Spring.

EDEF 4603H ED-TL&L 3(3,0) HON Analysis and Application of Ethical, Legal and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact school in a democracy. Fall, Spring.

EDEF 4603H3 ED-TL&L 3(3,0)
EDF 5607 ED-T&L 3(3.0) Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDG 1005C ED-T&L 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 ED-T&L 3(3.0) Teaching Strategies for Substitute Teachers: Planning, adapting, and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.

EDG 4323 ED-T&L 3(3.0) Professional Teaching Practices: PR: EDF 2005 or C.I. Critical thinking and reflective practice, including higher order thinking, classroom management, alternative assessment and adaptation of instruction for diverse student populations. Fall, Spring.


EDG 4941 ED-T&L 1-8(0,1-8) Directed Field Experience: PR: Approval of Professional Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948 ED-T&L 3(3.0) Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.

EDG 4954 ED-T&L 3(3.0) International Education Field Experiences: PR: Junior standing or C.I. A guided field experience for students participating in a study abroad program. Students gain insights into global and local issues through educational and cultural experiences. Fall, Spring.

EDG 5745 ED-T&L 3(3.0) Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. Occasional.

EDG 5941 ED-T&L 2-8(0,11) Clinical Practice: PR: Admission to Step II, III or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDH 5306 ECS-MMAE 1(1.0) Teaching Methods in Engineering: PR: Graduate standing in an engineering discipline. This course will cover basic teaching pedagogy to help engineering students become better TA’s and help students deliver better technical presentations. Occasional.

EDS 5356 ED-T&L 3(2.1) Mentoring and Clinical Supervision of Preprofessional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of the Florida Educator Accomplished Practices. Fall, Spring.

ECC 2732 ED-CFCS 3(3.0) Health, Safety, and Nutrition for Young Children: Health, safety and legal issues in early childhood (0-8) including protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.


ECC 3700 ED-CFCS 3(3.0) Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development. Occasional.

ECC 3940 ED-CFCS 3(0,3) Integration Internship I: PR: Senior Status, RED 4511 or RED 3511. Fall. Field-based placement in which the students will have supervised practice integrating course content areas. Occasional.


ECC 4235C Early Childhood Education Seminar: Bridging Theory to Practice: PR: TSL 4240, EEC 4268, EEX 3450 and completion of semester II in the junior year. Corequisites: MAE 4000, RED 4511, SCE 4304. Seminar course which combines coursework, research, and practical experience. Fall, Spring.

ECC 4268 ED-CFCS 3(3.0) Curriculum Activities in Early Childhood: PR: Admission to Early Childhood Education Program. An integrated approach to curriculum planning and scheduling including materials, strategies, and environments for young children which emphasize active learning. Fall, Spring.

ECC 4303 ED-CFCS 3(3.0) Planning Creative Activities in Early Childhood: 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, movement, music, visual arts, science, math, and literature. Occasional.

ECC 4402 ED-CFCS 3(3.0) Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

ECC 4414 ED-CFCS 3(3.0) Parent-Child Relations: PR: ECC 3700; ECC 4661; RED 3310; EEX 4751; LIN 3710. C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stages, family structure, ethnic and cultural factors on parenting. Fall, Spring.

ECC 4524 ED-CFCS 3(3.0) Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

ECC 4528 ED-CFCS 3(3.0) Infant/Toddler Care and Education: Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.


ECC 4940 ED-CFCS 12(0,12) Practicum: Early Childhood Development: Must have completed all course work. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. Fall, Spring.

ECC 4943 ED-CFCS 12(0,12) Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.

ECC 5205 ED-CFCS 3(3.0) Programs and Trends in Early Childhood Education: PR: Regular Certificate or C.I. Philosophy, content, facilities, instructional materials, and activities appropriate for children ages 3 to 8 years; current research; issues and trends. Concurrent laboratory experiences. Occasional.

ECC 5206 ED-CFCS 3(3.0) Organization of Instruction in Early Childhood Education: PR: Regular certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences. Spring.

ECC 5207 ED-CFCS 3(3.0) Creative Activities in Early Childhood: PR: Regular certificate or C.I. Organization of instruction and methods for creative activities involving music, art, literature and educational toys, integration of activities, and basic skills curriculum (K-3). Concurrent laboratory experience. Even Fall.

ECC 5745 ED-CFCS 3(3.0) Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700 or C.I. Course teaches Child Life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric health settings. Odd Spring.

ECE 3307C ECS-ECE 4(3.3) Electronics I: PR: EEL 3123C. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee $15.00.

ECE 3342C ECS-ECE 3(3.2) 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.
UCF Courses and Descriptions

EEE 3350 ECS-ECE 3(3,0) Semiconductor Devices I: PR: EEL 3004 and PHY 3342. Semiconductor device physics, energy band diagrams, electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.

EEE 4309C ECS-ECE 4(3,3) Electronics II: PR: EEE 3307C, EEE 3342C. Ideal Op-Amp and applications to logic circuits: Bipolar, MOS and CMOS families; flip-flops and memory cells, comparators and timing circuits; A/D and D/A converters. Fall, Spring. M&S fee $20.00


EEE 4463 ECS-ECE 3(3,0) MEMS Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, microfabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. Fall.

EEE 5332C ECS-ECE 3(2,1) Thin Film Technology: PR: EEE 3350 or equivalent. Preparation of thin films deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee $70.00


EEE 5353 ECS-ECE 3(3,0) Semiconductor Device Modeling and Simulation: PR: EEE 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5356C ECS-ECE 3(3,3) Fabrication of Solid State Devices: PR: EEE 3350. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. Fall, Spring. M&S fee $70.00


EEE 5378 ECS-ECE 3(3,0) CMOS Analog and Digital Circuit Design: PR: EEE 4309C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

EEE 5390 ECS-ECE 3(3,0) Full-Custom VLSI Design: PR: EEE 3342C, EEE 3330C, CMOS VLSI design methodologies, full custom chip design, industrial CAD tools; simulation; verification. Spring.

EEL 3004 ECS-ECE 3(3,0) Circuit Analysis: PR: PHY 2053C. Study of electrical networks. Circuit analysis techniques are presented, including DC and steady state analysis. Power calculations, power distribution and dissipation are covered with examples relating to cables, connections, and buses. Not open to EE and CE majors. Fall, Spring.

EEL 3123C ECS-ECE 4(3,1) Networks and Systems: PR: EEL 3004, MAP 3202 with a C- (2.0) or better grade. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transforms, sampling theory and z-transforms. Fall, Spring. M&S fee $15.00

EEL 3470 ECS-ECE 3(3,0) Electromagnetic Fields: PR: EEL 3004, Electric and magnetic fields and electromagnetic waves. Fall, Spring.


EEL 3552C ECS-ECE 4(3,3) Analog and Digital Communication Fundamentals: PR: EEL 3123C. Fourier Transform Theory, fundamentals of AM and FM, Baseband pulse and digital signaling, Bandpass signaling, digital modulation and detection. Fall, Spring. M&S fee $15.00

EEL 3657 ECS-ECE 3(3,0) Linear Control Systems: PR: EEL 3123C. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.


EEL 4050 ECS-ECE 1(0,3) EECS Integrated Laboratory: PR: EEL 3552C, EEE 3657, EEL 4750. Topics: Sampling, Digital FIR and IIR Filters, DSP processing of sound signals, transmitters and receivers based upon AM and FM, PM and feedback control systems, and power conversion. Fall. Spring.

EEL 4140C ECS-ECE 4(3,3) Analog Filter Design: PR: EEL 3123C. Passive and active analog filter design. Fall. M&S fee $15.00


EEL 4216 ECS-ECE 3(3,0) Fundamentals of Electric Power Systems: PR: EEL 3004 or C.I. Time-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.

EEL 4436C ECS-ECE 4(3,3) Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. Odd Fall. M&S fee $35.00

EEL 4440 ECS-ECE 3(3,0) Optical Engineering: PR: EEL 3470, EEL 3552C or C.I. Lens systems, aberrations, sources, radiometry, detectors, physical optics, interferometric devices, applications to engineering design problems. Spring.


EEL 4518 ECS-ECE 3(3,0) Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.


EEL 4635C ECS-ECE 3(3,0) Computer Control Systems: PR: EEL 3552C. Discrete-time systems, the z-transform, and single loop computer control systems. Digital simulation in the analysis and design of processes with embedded computers. No graduate credit for both EEL 5630 and this course. Occasional.

EEL 4742C ECS-ECE 4(3,3) Embedded Systems: PR: EEL 3801C. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall, Spring. M&S fee $15.00


EEL 4768C ECS-ECE 3(3,0) Computer Architecture: PR: EEL 3801C or CDA 3101. Computer systems design and implementation, processor datapath and control, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory, and RISCs. CSC. Fall, Spring. M&S fee $30.00


EEL 4783 ECS-ECE 3(3,0) Hardware Description Languages in Digital Systems Design: PR: EEE 3342C. Hardware description languages, simulation and synthesis of RTL circuits and systems, design examples and projects. Occasional.

EEL 4817H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4817H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 3801 or COP 3223 or STA 3032 or C.I. Machine Learning and Applications. ART Neural Networks, Genetic Algorithms, Decision Trees, Evolutionary Hardware, Evolutionary Neural Networks, and Reinforcement Learning. Fall.

EEL 4832 ECS-ECE 3(3,0) Engineering Applications of Computer Methods: PR: MAP 3202, STA 3032, EGN 3420. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root-finding, integration and series approximations. Fall, Spring.

EEL 4851C ECS-ECE 4(3,3) Engineering Data Structures: PR: EEL 3801C. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, search, and sorts. Introduction to object-oriented structures. Fall, Spring.

EEL 4882 ECS-ECE 3(3,0) Engineering Applications of Intelligent Systems: PR: EEL 4851C or COP 3503C or equivalent or C.I. Knowledge and intelligence, predicate logic and automated reasoning, heuristic search, knowledge representation, automated planning, introduction to machine learning, knowledge-based systems and philosophy of AI. Occasional.
EEL 4882 ECS-ECE 3(3.0)
Engineering Systems Software: PR: EEL 4851C and EEL 4746. Introduction to operating systems concepts and facilities for engineering applications, including multiprogramming, resource allocation and management, systems utilities, and operating system implementation. Fall, Spring.

EEL 4884C ECS-ECE 4(3.3)
Engineering Software Design: PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE, Analysis, design, and development of a large software project. Fall, Spring.

EEL 4890 ECS-ECE 3(3.0)

EEL 4914 ECS-ECE 3(3.0)
Senior Design I: PR: EEE 3307C, EEL 4742C, and consent of School of ECECS. Applications of engineering design to realistic and meaningful problems. Constraints consent of School of EECS. Applications of engineering design to realistic and meaningful problems. Constraints consent of School of EECS.

EEL 5045C ECS-ECE 3(3.0)

EEL 5185 ECS-ECE 3(3.0)
System Identification: PR: EEL 3657 or C.I. Dynamic systems, models of time-invariant linear, time-varying and nonlinear systems, nonparametric frequency- and time-domain identification methods, kernel expansion techniques, parameter estimation methods, experiment design, and applications. Fall.

EEL 5245C ECS-ECE 3(2.1)
Power Electronics: PR: EEE 4309C. Principles of power electronics, power semiconductors devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cyclo-converters, applications. Fall.

EEL 5272 ECS-ECE 3(3.0)
Biomedical Sensors: PR: EEL 4750 or EEL 4832 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEL 5422 ECS-ECE 3(3.0)

EEL 5437C ECS-ECE 4(3.3)
Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonant cavity and microwave measurements. Even Fall. M&S fee $40.00

EEL 5439C ECS-ECE 3(2.1)
RF and Microwave Communications: PR: EEL 4438C or equivalent. RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. Occasional. M&S fee $40.00

EEL 5462C ECS-ECE 3(3.1)
Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipoles, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall.

EEL 5513 ECS-ECE 3(3.0)

EEL 5517 ECS-ECE 3(3.0)
Surface Acoustic Wave Devices and Systems: PR: EEL 4746. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication circuits are presented. Occasional.

EEL 5542 ECS-ECE 3(3.0)

EEL 5547 ECS-ECE 3(3.0)

EEL 5562 ECS-ECE 3(3.0)
Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods. Course systems designed by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MEMS. Occasional.

EEL 5630 ECS-ECE 3(3.0)

EEL 5669 ECS-ECE 3(3.0)
Autonomous Robotic Systems: PR: EEL 3657 or C.I. Introduction to robotics, with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. Odd Fall.

EEL 5690 ECS-ECE 3(3.0)
Introduction to Medical Robotics and Tele-Operation: PR: EEL 3657 or Medical students in their second year or later. Medical robots for minimally invasive surgery, kinematics, constrained workspace and dexterity, tele-operation and network based control, basic architecture of robotics. Even Fall.

EEL 5704 ECS-ECE 3(3.0)

EEL 5722C ECS-ECE 3(3.1)
Field-Programmable Gate Array (FPGA) Design: PR: EEE 3342C or C.I. FPGA architectures, design flow, technology mapping, placement, routing, reconfigurable computing applications, and evolvable hardware. Even Fall.

EEL 5771C ECS-ECE 3(2.3)

EEL 5780 ECS-ECE 3(3.0)
Wireless Networks: PR: EEL 4781 or C.I. The wireless networking topics include cellular networks, multiple access protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning for wireless network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA). Even Spring.

EEL 5820 ECS-ECE 3(3.0)
Image Processing: PR: MAP 2302, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques. Odd Spring.

EEL 5825 ECS-ECE 3(3.0)
Pattern Recognition: PR: EEL 4750 or C.I. Introduction to pattern recognition concepts and methods. Theory, linear discriminant functions, Neural Network approaches, decision tree classifiers, unsupervised learning and clustering, non-parametric techniques, and other topics reflecting the state-of-the-art. Occasional.

EEL 5860 ECS-ECE 3(3.0)

EEL 5874 ECS-ECE 3(3.0)
Expert Systems and Knowledge Engineering: PR: EEL 4750 or CAP 4430 C.I. Introduction to expert systems in engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. Spring.

EEL 5881 ECS-ECE 3(3.0)
Software Engineering I: PR: COP 4331C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall, Spring.

EEL 5892 ECS-ECE 3(3.0)

EEL 5936 ECS-ECE 0(1,0)
Current Topics in EEECS: PR: Open to all EEE graduate students. Lectures presented by EEE and national lectures will provide our students a broad view of the state of the art EE and CE fields. Graded S/U. Occasional.

EES 4111C ECS-CECE 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-CECE 4(3.3)
Chemical Process Control: PR: ENV 3001 with a grade of "C" (2.0) or better. Engineering design, measurements, and analysis of chemical systems in environmental engineering. In-depth study of the control and computer processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. Fall. M&S fee $60.00

EES 5318 ECS-CECE 3(3.0)
Industrial Ecology: PR: ENV 3000 or 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 2010 ED-CFCS 3(3.0)
Introduction to Special Education: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. Fall, Spring.

EEX 2090 ED-CFCS 3(3.0)
Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EEX 2758 ED-CFCS 2(3.0)
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, program evaluation, and monitoring of progress of exceptional students. Fall, Spring.
UCF Courses and Descriptions

EEX 3241 ED-CFCS 3(3,0) Methods for Academic Skills for Exceptional Students: PR: EEX 1010, 1011. 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) Techniques for Exceptional Adolescents-Adults: PR: EEX 3241, 3242. Study of strategies, techniques, functional content, career and vocational educational, and transition planning for adolescents and adults with special needs. Spring.

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) Internship I Exceptional Education: PR: EDG 4410, EEX 3241, EEX 2010, MAE 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EEX 4054 ED-CFCS 2(2,0) Application and Theories for Students with Special Needs: PR: EEX 2010, EDG 4213. Theoretical and historical foundations for students with specific learning, physical, cognitive, and emotional disabilities. Spring.

EEX 4066 ED-CFCS 3(3,0) Curriculum, Theory and Instructional Strategies for Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4014. Theoretical concepts, curriculum development and specialized strategies for students with special needs. Occasional.


EEX 4242 ED-CFCS 3(3,0) Teaching Exceptional Students in Secondary Settings: PR: EER 2089, EDG 4323. Instructional and management strategies for secondary general education teachers to use in working with students with disabilities. Fall, Spring.

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.

EEX 4757 ED-CFCS 3(3,0) Resident Care: PR: Junior Standing or C.J. General knowledge and best practice in the field of temporary care: the nature and needs of caregivers and care recipients, including special populations. Fall, Spring.

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. May be repeated for credit. Graded S/U. Occasional.

EEX 5051 ED-CFCS 3(3,0) Exceptional Children in the Schools: PR: Senior standing or C.J. Characteristics, 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: Preparation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGM 3601 ECS-MMAE 3(3,0) Solid Mechanics: PR: EGN 3310 and "C" (2.0) or better in EGN 2048. MAC 2313 or PHY 2048 CR: MAP 2302. 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. M & S fee $45.00.

EGN 1006C ECS-ECS 1(1,2) Introduction to the Engineering Profession: PR: New students status or C.I. Overview of academic and professional requirements in various engineering disciplines. Fall.

EGN 1007C ECS-ECS 1(1,2) Engineering Concepts and Methods: PR: EGN 1006C 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 team projects of engineering communication; engineering professionalism and ethics. Spring.

EGN 1036C ECS-EMS 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Senior standing at the College of Engineering & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EGN 2920C ECS-EMS 2(1,1) LEAD Colloquium: PR: C.I., LEAD Scholars Program. Must have completed at least two courses following with a grade of B or better, IDS 1040C, GEB 1091C, EGN 1036C, EGN 1050C or HSC 1913C. Provides experiential leadership experience under an appropriate leadership setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. Occasional.

EGN 3060C ECS-ECS 3(2,3) Introduction to Robotics: PR: Engineering majors take COP 3223 and STA 3023. Computer Science majors take COP 3330 and COP 3503C. Theory of perception, planning, and control. Implemented software for a complete robotic system. Fall.

EGN 3211 ECS-ECE 3(3,0) Engineering Analysis and Computation: PR: MAC 2312, Engineering analysis and computation with structured constructs. Subscripted variables, functions, input/output. Applications in embedded systems and examples in numerical methods. Fall, Spring.

EGN 3310 ECS-CECE 3(3,0) Engineering Analysis-Statics: PR: MAC 2311C. Fundamental concepts of mechanics, including resultants of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

EGN 3310H ECS-CECE 3(3,0) Engineering Analysis-Statics (Honors): PR: Permission of Honors and MAC 2310C. MAC 2312C both with a grade of "C" (2.0) or better; CR: MAC 2312. Advanced treatment of material and additional topics, including project work. With Honors content. Fall, Spring.

EGN 3321 ECS-MMAE 3(3,0) Engineering Analysis-Dynamics: PR: EGN 3310; CR: MAP 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

EGN 3321H ECS-MMAE 3(3,0) Engineering Analysis - Dynamics Honors: PR: Permission of Honors and EGN 3310, CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. Occasional.

EGN 3331 ECS-CECE 3(3,0) Mechanics of Materials: PR: EGN 3310 with a grade of "C" (2.0) or better: CR: MAP 2302. Stress of strength, deflection of axial force members, shafts in torsion, beams in flexure, combination stress, stability of columns, and design of simple elements. Fall, Spring.


EGN 3420 ECS-ECE 3(3,0) Engineering Analysis: PR: High-level computer language, MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolation, and function plotting. Fall, Spring.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>EGN 3935</td>
<td>Leadership in Engineering I</td>
<td>PR: Junior standing in a CEG. Major roles for engineers are presented by professional mentors in industry and government. Graded S/U. Fall.</td>
</tr>
<tr>
<td>EGN 3936</td>
<td>Leadership in Engineering II</td>
<td>PR: Junior standing in a CEG. Major roles for engineers are presented by professional mentors in industry and government. Graded S/U. Spring.</td>
</tr>
<tr>
<td>EGN 4413C</td>
<td>Interdisciplinary Design II</td>
<td>PR: EGN 4412C. Continuation of Interdisciplinary Design I. May be repeated for credit. Spring.</td>
</tr>
<tr>
<td>EGN 4625C</td>
<td>Engineering Management</td>
<td>PR: Senior standing. Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; R &amp; D planning; ethics in professional practice. Fall, Spring.</td>
</tr>
<tr>
<td>EGN 4641C</td>
<td>Engineering Entrepreneurship</td>
<td>PR: Senior standing. Generative entrepreneurship enterprise. Content includes lectures, lab, and seminar experiences. Active participation. Course material is augmented through seminars given by engineers, business people, and specialists, based on their own experiences. Occasional.</td>
</tr>
<tr>
<td>EGN 4706C</td>
<td>Small Satellite Payloads and Integration</td>
<td>PR: EML 3800C, EML 3802C, OR EEL 3810C OR ESI 4523C. Evaluation of overall impact of design and integration concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. Occasional. M&amp;S fee $45.00. Fall.</td>
</tr>
<tr>
<td>EGN 4707C</td>
<td>Processing Space-Launch Systems</td>
<td>PR: For ECE; EEL 3562C or EEL 4742C. For IEMS: ESI 4523C. For MAE: EAS 3800C. Assembly and test techniques for preparing and check-out of the space-launch system “Inertial Upper Stage.” May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>EGN 4824</td>
<td>Energy and Society</td>
<td>Investigating of available energy forms; energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.</td>
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<tr>
<td>EGN 4931H</td>
<td>Engineering Honors Seminar</td>
<td>PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.</td>
</tr>
<tr>
<td>EGN 4933C</td>
<td>Professional Practice I</td>
<td>PR: Junior standing in engineering or computer science. Contemporary global technical issues, professional development, lifelong learning, and ethical responsibilities. Community service and/or community outreach projects required. Occasional.</td>
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<tr>
<td>EGN 4934C</td>
<td>Professional Practice II</td>
<td>PR: EGN 4933C. Continuation of EGN 4933C. Occasional.</td>
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<tr>
<td>EGN 5720</td>
<td>Internal Combustion Engine Analysis and Optimization</td>
<td>PR: EGN 3343 or EGN 3358 or C.I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. Even Fall, Even Spring.</td>
</tr>
<tr>
<td>EGN 5840</td>
<td>Small Rocket Applications for Teachers</td>
<td>PR: Admission to Lockhead Martin UCF Teaching Academy. Earth and space environments, rocket propulsion, meteorological and environmental measurements, payload launch procedures, orbits and trajectories, safety, model rocket experiments, field trips, student science experiments. Occasional.</td>
</tr>
<tr>
<td>EGN 5858C</td>
<td>Prototyping and Product Realization</td>
<td>PR: Basic knowledge and/or experience in CAD/CAM technology or C.I. Product design and development cycle including design for manufacturability and functionalism. Fundamentals, applications and practice of rapid prototyping and reverse engineering technologies. Spring. M&amp;S fee $50.00.</td>
</tr>
<tr>
<td>EIN 3001</td>
<td>Introduction to Industrial Engineering and Management Systems</td>
<td>PR: MAC 2311C and Sophomore standing or C.I. Issues important to the operation of an industrial or service facility. Fall.</td>
</tr>
<tr>
<td>EIN 3134</td>
<td>Work Analysis and Design</td>
<td>PR: STA 3032 or C.I. Introduction to lean six sigma analysis as applied to design and improvement of work systems. Various data collection and analysis methods utilized. Fall.</td>
</tr>
<tr>
<td>EIN 3354</td>
<td>Principles of Cost Engineering</td>
<td>PR: EGN 3613. This course is to provide engineers from all disciplines the background for the estimation of engineering systems throughout the product life cycle. Fall.</td>
</tr>
<tr>
<td>EIN 4191C</td>
<td>Engineering Leadership Seminar I</td>
<td>PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intrapersonal to interpersonal to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.</td>
</tr>
<tr>
<td>EIN 4192C</td>
<td>Engineering Leadership Seminar II</td>
<td>PR: EIN 4191C. Continuation of EIN 4191C. Spring.</td>
</tr>
<tr>
<td>EIN 4214</td>
<td>Safety Engineering and Administration</td>
<td>PR: STA 3032 or C.I. Analysis of accidents in the industrial operating environment. Application of fault trees, OSHA requirements. Consideration of accident costs and organizational aspects of accident prevention. Occasional.</td>
</tr>
<tr>
<td>EIN 4243C</td>
<td>Human Engineering</td>
<td>PR: STA 3032 or C.I. Man/machine systems; design and conduct of human engineering studies. Spring.</td>
</tr>
<tr>
<td>EIN 4333</td>
<td>Production and Distribution Systems</td>
<td>PR: ESI 4312 or C.I. Decision policies in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. Spring.</td>
</tr>
<tr>
<td>EIN 4391</td>
<td>Manufacturing Engineering</td>
<td>PR: C.M. 2045C or C.M. 1940 and Junior standing or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring.</td>
</tr>
<tr>
<td>EIN 4450</td>
<td>Principles of Concurrent Engineering</td>
<td>PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly. Even Spring.</td>
</tr>
<tr>
<td>EIN 4517</td>
<td>Systems Engineering</td>
<td>PR: STA 3032 or C.I. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Fall.</td>
</tr>
<tr>
<td>EIN 4545</td>
<td>Industrial Engineering Applications in The Service Industries</td>
<td>PR: EIN 3314, ESI 4312; CR: ESI 4234 or C.I. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.</td>
</tr>
<tr>
<td>EIN 4621C</td>
<td>Computer-Aided-Manufacturing</td>
<td>PR: EIN 4931C. Computer-Aided-Manufacturing (CAM) including computer numerical control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP). Occasional.</td>
</tr>
<tr>
<td>EIN 4891C</td>
<td>Industrial Engineering Senior Design Project</td>
<td>PR: EIN 4916C. Senior standing. Capstone design course; application of IEMS techniques to real world design applications. Spring.</td>
</tr>
<tr>
<td>EIN 5108</td>
<td>The Environment of Technical Organizations</td>
<td>PR: Graduate status or C.E. EGN 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.</td>
</tr>
<tr>
<td>EIN 5117</td>
<td>Management Information Systems</td>
<td>PR: C.I. The design and implementation of computer-based Management Information Systems. Content is given to the organizational, managerial, and economic aspects of MIS. Spring.</td>
</tr>
<tr>
<td>EIN 5140</td>
<td>Project Engineering</td>
<td>PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project life cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall, Spring.</td>
</tr>
<tr>
<td>EIN 5248C</td>
<td>Ergonomics</td>
<td>PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipments, and workstations. Fall.</td>
</tr>
<tr>
<td>EIN 5251</td>
<td>Usability Engineering</td>
<td>PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and storyboard evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Occasional.</td>
</tr>
<tr>
<td>EIN 5255C</td>
<td>Interactive Simulation</td>
<td>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, Spring.</td>
</tr>
<tr>
<td>EIN 5317</td>
<td>Training System Design</td>
<td>PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. Fall.</td>
</tr>
<tr>
<td>EIN 5346</td>
<td>Engineering Logistics</td>
<td>PR: C.I. Study of the logistics life cycle involving planning, design and testing, production, distribution, and support. Occasional.</td>
</tr>
<tr>
<td>EIN 5350</td>
<td>Cost Engineering</td>
<td>PR: C.I. Description and analysis of systems engineering throughout the product life cycle. Spring.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

EIN 5388 ECS-EMS 3(3,0) Forecasting: PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

EIN 5392C ECS-EMS 3(2,2) Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Even Spring.


EMA 3000 ECS-MMAE 3(3,0) Engineering Polymer, Ceramic, and Composite Materials: PR: EGM 3365 or EMA 3706. Structure, properties, processing of engineering polymeric, ceramic, and composite materials. Occasional.

EMA 3012C ECS-MMAE 3(2,2) Experimental Techniques in Mechanics and Materials: PR: EGM 3365, EGM 3001. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (tensile, fatigue, impact, etc.). Fall, Spring. M&S fee $45.00

EMA 3014 ECS-MMAE 3(3,0) Nanomaterials Characterization and Applications: PR: EMA 3691. Microstructural and mechanical characterization of nanomaterials, nano-coatings, corrosion, magnetic, quantum dots for solar cells, materials for hydrogen economy, laboratory on material characterization. Occasional.

EMA 3124 ECS-MMAE 3(3,0) Design and Selection of Materials: PR: EGM 3365, and EGM 3365 or EMA 3706. Relationship between processing, structure, and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3591 ECS-MMAE 3(3,0) Nanomaterials Process Engineering: PR: CHS 1440 or CHM 2045C, and PHY 2048 or PHY 2053C and EGM 3365. Nanomaterials, processing, nanomachining, nanocomposites, nanocomposites and computations of devices. Occasional.

EMA 3706 ECS-MMAE 3(3,0) Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 2045C and EGG 2312. Among topics: structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design. Fall.

EMA 4102 ECS-MMAE 3(3,0) Thermodynamics and Kinetics of Matter: PR: EGM 3343, EGM 3365 or EMA 3706; and a (C) 2.0 or better in all of the following: CHS 1440 or CHM 2045C, EGG 2311C, EGG 2312, EGG 2313, MAP 2302 and PHY 2046. Application of first, second and third laws of thermodynamics to materials science, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.


EMA 4503 ECS-MMAE 3(3,0) Materials Characterization Techniques: PR: EMA 3001 and EGM 3365 or EMA 3706. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. Occasional.

EMA 4506 ECS-MMAE 3(3,0) Emerging Materials: PR: EGM 3365, or EMA 3706. Structure, properties, and processing of modern emerging materials. Occasional.


EMA 5108 ECS-MMAE 3(3,0) Surface Science: PR: PHY 2040C and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum techniques such as utilizing electron, ion and photon probes. Occasional.

EMA 5140 ECS-MMAE 3(3,0) Introduction to Ceramic Materials: PR: EGM 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.


EMA 5415 ECS-MMAE 3(3,0) Electronic Principles of Materials Properties: PR: EGM 3365 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. Fall.

EMA 5504 ECS-MMAE 3(2,2) Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMA 5505 ECS-MMAE 3(2,2) Scanning Electron Microscopy: PR: EMA 5104 or C.I. A review of electron optics, beam/specimen interactions, image formation, x-ray analysis, specimen preparation, microelectronic applications and crystallography in the SEM. Occasional.


EMA 5585 ECS-MMAE 3(3,0) Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.

EMA 5586 ECS-MMAE 3(3,0) Photovoltaic Solar Energy Materials: PR: EGM 3365. Materials properties basic to photovoltaics, structure, homojunction, heterojunction, and surface barrier solar cells, AM0-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.


EMA 5588 ECS-MMAE 3(3,0) Biocompatibility of Materials: PR: EGM 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterials interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanostuctured biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.


EMA 5705 ECS-MMAE 3(3,0) High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

EME 2040 ED-TL&L 3(3,0) Introduction to Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring. M&S fee $1.00

EME 2041 ED-TL&L 3(3,0) Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EME 4312 ED-TL&L 3(3,0) Applications of Technology in Education: Classroom applications of instructional media including computers. Includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

EME 5050 ED-TL&L 3(3,0) Fundamentals of Technology for Educators: PR: Post bacc or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in k-12 to improve the teaching and learning process. Fall, Spring.

EME 5051 ED-TL&L 3(3,0) Technologies of Instruction and Information Management: PR: Acceptance into Ed Media Program or C.I. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

EME 5053 ED-TL&L 3(3,0) Electronic Resources for Education: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. Fall.

EME 5208 ED-TL&L 3(3,0) Production Techniques for Instructional Settings: PR: Acceptance into Ed Media Program or C.I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photograhic skills and the application of instructional and communication theories. Spring.
EME 5225 ED-T&L 4(3,0) Media for Children and Young Adults: PR: Acceptance into Ed Media Program or C.I. Survey of materials for children's and young adults' informational and recreational needs; analysis, evaluation, and utilization of print and non-print materials. Spring.


EML 4143 ECG-MMAE 3(3,0) Heat Transfer II: PR: EML 4142. Advanced topics in heat transfer, multi-dimensional conduction, transient conduction, convection heat transfer, participating medium, boiling and condensation. Fall.


EML 4221C ECS-MMAE 1(2,1) Engineering Systems Experimental Techniques: PR: EML 3303C or EAS 3800C, EML 4220 or EAS 4210. Provides a teaching/laboratory of dynamic vibration and modal analysis testing and theory using modern instrumentation and software tools to develop competence in designing and conducting tests, analyzing and interpreting engineering data. Fall, Spring. M&S fee $35.00

EML 4225 ECG-MMAE 3(3,0) Introduction to Vibrations and Controls: PR: EML 3717, EGM 3601, EML 304C. Free and forced vibration of multi degree of freedom systems; natural modes; open vs closed loop control, time and frequency domain design of control systems. Fall, Spring.

EML 4260 ECG-MMAE 3(3,0) Dynamics of Machinery: PR: EML 3262 or EML 3217, EML 4225. Basic mechanics governing vehicle dynamics, performance and handling. Spring.

EML 4264 ECG-MMAE 3(3,0) Vehicle Dynamics: PR: EML 3262 or EML 3217, EML 4225. Basic mechanics governing vehicle dynamics, performance and handling; acceleration, braking, ride, cornering, suspension, steering, rollover. Occasional.


EML 4304C ECG-MMAE 2(1,3) Design and Analysis of Experiments: PR: EML 3303C, CR: EML 4142, EML 4220. Measurements and experiments in Thermo-Fluid Systems with emphasis on project team activity. Spring. M&S fee $45.00

EML 5060 ECS-MMAE 3(3,0) Mathematical Methods in Mechanical, Materials, and Aerospace Engineering: PR: MAP 2302. Vector field theory, generalized coordinates, complex variables, contour integration and LaPlace and Fourier transforms and inversions, variable coefficient ODE’s and solution of PDE’s for governing equations of heat transfer, ideal fluid flow, and mechanics. Fall.


EML 5105 ECS-MMAE 3(3,0) Gas Kinetics and Statistical Thermodynamics: PR: EAG 4134 or EML 4703. Molecular and statistical viewpoint of gases and thermodynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems. Occasional.


EML 5291 ECS-MMAE 3(3,0) MEMS: Materials: PR: EML 5060, EML 6211, or C.I. Introduction of materials that are frequently used for MEMS applications such as silicon, metal, ceramics and polymers. The course will focus on fundamental principles involved in structures and properties of the materials, and their applications in MEMS. Even Spring.

EML 5292 ECS-MMAE 3(3,0) Fundamental Phenomenon and Scaling laws in Miniature Engineering Systems: PR: EML 5060, EML 6211, or C.I. Introduction to mass-, 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-MMAE 3(3,0) System Control: PR: EML 4312C; CR: EML 5060. Modern control theory for linear and non-linear systems; controllability and observability. Linear state feedback and state estimators, compensator design. Occasional.

EML 5402 ECS-MMAE 3(3,0) Turbomachinery: PR: EML 3101, EML 4703 or EAS 4134. Application of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps. Occasional.

EML 5403 ECS-MMAE 3(3,1) Science and Technology of Fuel Cells: PR: EML 3365, EML 4304C, and CR: EML 4703. Fundamental knowledge along with hands-on experience with design, manufacturing and operation of fuel cells. Occasional. M&S fee $45.00

EML 5456 ECS-MMAE 3(3,0) Turbines for Sustainable Power: PR: EGM 3601, (EML 3365 or EML 3700), EML 3701 or EAS 3101; CR: (EML 4220 or EAS 4210). Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability, covers multiple applications of conventional and green technology. Fall.

EML 5532C ECS-MMAE 3(2,3) Computer-Aided Design for Manufacture: PR: EGM 4535C. Builds on introductory material covered in EML 4535C. Topics include computer modeling for the synthesis, simulation, design and analysis of mechanical thermal, and aerospace systems. Even Fall. Spring. M&S fee $15.00


EML 5587C ECS-MMAE 3(2,3) Mechanics of Biostructures I: PR: Graduate standing or C.I. Part I of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biotissues and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EML 5588C ECS-MMAE 3(2,3) Mechanics of Biostructures II: PR: EML 5587C. Part II of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biotissues and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.


EML 5761C ECS-MMAE 3(3,2) Applied and Computational Fluids: 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 biomedical engineering with application to biofluid mechanics. Odd Spring.

EML 5936 ECS-MMAE 1(1,0) Mechanical, Materials, and Aerospace Engineering Graduate Seminar: MMAE graduate student seminar. Grad. SU. Occasional.

ENC 1101 CAH-WRITE 3(3,0) Composition I: Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. The “NC” grading policy applies to this course. Fall, Spring.

ENC 1101H CAH-WRITE 3(3,0) Honors Freshman Composition I: PR: Score of 50 or TSIWE of 180 and permission of Honors. Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on a variety of readings from the humanities. The “NC” grading policy applies to this course. Honors-level content. Fall, Spring.

ENC 1102 CAH-WRITE 3(3,0) Composition II: PR: ENC 1101 with a grade of “C" or better. Focus on extensive research in analytical and logical writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. The “NC” grading policy applies to this course. Fall, Spring.

ENC 1102H CAH-WRITE 3(3,0) Honors Freshman Composition II: PR: ENC 1101H with a grade of “C" or better and C.I. and permission of Honors. Same as ENC 1102, with honors-level content. Note on Freshman English Program: ENC 1101 and 1102 must be taken before enrolling in any English course numbered above 1102. The “NC” grading policy applies to this course. Fall, Spring.

ENC 1130 CAH-WRITE 3(3,0) Improving College-Level Writing: Entry-level writing course designed to prepare students to read and write effectively at the college level. Fall.

ENC 2127 CAH-ENG 3(3,0) Grammar and Composition: A systematic study of grammar and mechanics to improve editing for clarity and accuracy in writing. Occasional.

ENC 2411C CAH-ENG 2(2,1) Digital Literacy for the Liberal Arts: Designed to help students better understand how computer technologies have shaped our culture and ourselves, to become critical consumers of technology; to acquire a critical sensitivity regarding the manner in which technology affects and is affected by textual context. Occasional.

ENC 2311 CAH-ENG 3(3,0) Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, or C.I. Exploring definitions and theoretical foundations in technical writing, and the roles of writers in industry. Fall, Spring.

ENC 2311H CAH-ENG 3(3,0) Honors Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better in ENC 1102 or equivalent credit, and Consent of Honors. Definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. With Honors Content. Occasional.

ENC 3241 CAH-ENG 3(3,0) Writing for the Technical Professional: PR: Grade of C (2.0) or better in ENC 1102, junior standing, or C.I. Writing effective correspondence, instructions, proposals, and informal and formal reports. Fall, Spring.

ENC 3241H CAH-ENG 3(3,0) Honors Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102 or equivalent credit, and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design of documents, and translation of technical documents for the lay audience. With Honors content. Occasional.

ENC 3250 CAH-ENG 3(3,0) Professional Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, and 12 upper division hours in the student’s major. Major elements of professional writing with emphasis on composition of reports, proposals, letters, and memos. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Prerequisites</th>
</tr>
</thead>
</table>
| ENC 3310   | CAH-ENG                                   | 3(3,0)  
Magazine Writing I; PR: Grade of C (2.0) or better required in ENC 1102. Focus on practical aspects of writing for magazines, emphasis on understanding audience and adapting writing style. Occasional. |
| ENC 3311   | CAH-WRITE                                 | 3(3,0)  
Essay as Cultural Commentary; PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Writing and rhetorical skills that enable the practice of research, writing, and rhetorical skills that enable the practice of research, writing, and rhetorical skills. Fall, Spring. |
| ENC 3314   | CAH-WRITE                                 | 3(3,0)  
Writing in the University; PR: Grade of C (2.0) or better in ENC 1102 or C.I. Writing and rhetorical skills that enable the practice of research, writing, and rhetorical skills. Fall, Spring. |
| ENC 3315   | CAH-WRITE                                 | 3(3,0)  
Advanced Argumentative Writing; PR: Grade of C (2.0) or better required in ENC 1102. Students will analyze current issues, assess others’ arguments, and construct various types of arguments, including visual and multimedia. Spring. |
| ENC 3330   | CAH-WRITE                                 | 3(3,0)  
Rhetorical Traditions; PR: Grade of C (2.0) or better required in ENC 1102. Examines the roots of rhetoric and the evolution of its theoretical, pedagogical and civic tradition. Even Spring. |
| ENC 3351   | CAH-WRITE                                 | 3(3,0)  
Writing for Publication; PR: Grade of C (2.0) or better required in ENC 1102. Examine the current state of the publishing industry and the skills necessary to succeed in it. Fall. |
| ENC 3351H  | CAH-WRITE                                 | 3(3,0)  
Honors Rhetoric and Civic Engagement; PR: Consent of Honors. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. Fall. |
| ENC 3352   | CAH-WRITE                                 | 3(3,0)  
Topics in Language and the Teaching of Writing; 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 the teaching of writing. Fall. |
| ENC 3353   | CAH-WRITE                                 | 3(3,0)  
Professional Editing; PR: Grade of C (2.0) or better required in ENC 1102. Students will participate in a virtual team project. Fall, Spring. |
| ENC 3373   | CAH-WRITE                                 | 3(3,0)  
Alternative Rhetoric; PR: Grade of C (2.0) or better required in ENC 1102. Surveys approaches to rhetoric that fall outside the traditional Western tradition, focuses on understanding the role of rhetoric in other cultural contexts. Fall. |
| ENC 3377   | CAH-WRITE                                 | 3(3,0)  
Rhetoric in Popular Culture; PR: Grade of C (2.0) or better in ENC 1102 or C.I. 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)  
Writing, 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. 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 and rhetorical skills that enable the practice of research, writing, and rhetorical skills. Fall. |
| ENC 3454   | CAH-WRITE                                 | 3(3,0)  
Topics in Public, Professional, and Disciplinary Writing; PR: Grade of C (2.0) or better required in ENC 1102. An in-depth study of and practice with a specific type of civic, professional, or disciplinary writing. Fall. |
| 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 and rhetorical skills that enable the practice of research, writing, and rhetorical skills. Fall. |
| ENC 3456   | CAH-WRITE                                 | 3(3,0)  
Writing for Social Change; PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Writing and rhetorical skills that enable the practice of research, writing, and rhetorical skills. Fall. |
| ENC 3502   | CAH-WRITE                                 | 3(3,0)  
Journal Writing Practicum; PR: Grade of C (2.0) or better required in ENC 1102. An interdisciplinary practicum in journal writing as a genre of writing. Fall. |
| ENC 3521   | CAH-WRITE                                 | 3(3,0)  
Cultural Literacy; PR: Grade of C (2.0) or better required in ENC 1102. Examine cultural influences on language and literacy practices. Fall. |
| ENC 3522   | CAH-WRITE                                 | 3(3,0)  
Technical Communication and Project Management; PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technology, stressing composition and printing; word processing, automated text processing, methods of reproduction. Fall. |
| ENC 3523   | CAH-WRITE                                 | 3(3,0)  
The Visual in Technical Documentation; PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technology, stressing composition and printing; word processing, automated text processing, methods of reproduction. Fall. |
| ENC 3524   | CAH-WRITE                                 | 3(3,0)  
International Technical Communication; PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technology, stressing composition and printing; word processing, automated text processing, methods of reproduction. Fall. |
| ENC 3525   | CAH-WRITE                                 | 3(3,0)  
Nature Writing; PR: Grade of C (2.0) or better required in CRW 3013 and CRW 3053. English major or minor and junior standing, or C.I. Writing and rhetorical skills that enable the practice of research, writing, and rhetorical skills. Fall. |
| ENC 3526   | CAH-WRITE                                 | 3(3,0)  
Honors Community-Based Research and Writing; PR: Grade of C (2.0) or better required in ENC 1102, and consent of Honors. Study, application, assessment and presentation of community-based research and writing using various methods, including intercultural inquiry. Occasional. |
ENV 4300C ECS-CECE 3(2,2) Solid Waste Facility Design: PR: ENV 4341 with grades of “C” (2,0) or better and department consent. Project course on design of a municipal solid waste landfill. Occasional.

ENV 4341 ECS-CECE 3(3,0) Solid & Hazardous Waste Management: PR: CHM 2046 and ENV 3001 both with a grade of “C” (2,0) or better. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 4433C ECS-CECE 3(2,2) Environmental Engineering Wastewater Design: PR: EES 4111C, ENV 4531 both with grades of “C” (2,0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment design with emphasis on teamwork to complete the design process. Occasional.

ENV 4537 ECS-CECE 3(3,0) Environmental Engineering Operations & Processes I: PR: ENV 3001, CWR 3201 both with a minimum grade of “C” (2,0) or better. Water and wastewater treatment design considerations with efficient and sludge handling, treatment, and disposal. Fall, Spring.


ENV 5335 ECS-CECE 3(3,0) Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.

ENV 5356 ECS-CECE 4(4,0) Solid and Hazardous Waste Management: PR: Grade of “C” (2,0) or better in ENV 3001, Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 5410 ECS-CECE 3(3,0) Drinking Water Treatment: PR: ENV 4561. Drinking water treatment using existing and newly developed processes. Fe, Mn, As, N03, DBP3, SOCs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes. Occasional.


ENV 5636 ECS-CECE 3(3,0) Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with the emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. Occasional.

ENV 4044C COS-BIOL 4(2,6) Genetically Engineered Bacteria: PR: “C” (2,0) or better in both BSC 210C and BSC 211C, or C.I. Biology of insects: identification, taxonomy, physiology, behavior, and ecology. Occasional. M&S fee $15.00

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, ontology, behavior, ecology, and population biology of insects. Occasional. M&S fee $40.00

EPD 5395 ED-CFCS 3(3,0) Physical and Socio-Legislative Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.


ESE 4942 ED-TLTL 1(1,0) Internship II Seminar: PR: Internship I in the specific discipline; CR: Internship II in the specific discipline. Culminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.

ESE 4943 ED-TLTL 7-12(0,35) Internship II - Secondary: PR: ESE 3940 or EDE 3942. Student teaching in a secondary school under the direction of a certified classroom teacher. Scheduled concurrent seminars. Graded SU or Letter grade. Occasional.


ESE 4234 ECS-IEMS 3(3,0) Quality Engineering: PR: STA 3032. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems; reliability engineering. Fall.

ESE 4312 ECS-IEMS 3(3,0) Operations Research: PR: STA 3032. Introduction to linear, non-linear, and dynamic programming. Decision analysis, random processes, and queuing. Course covers theory through application and implementation of results. Fall.

ESE 4321 ECS-IEMS 3(3,0) Quantitative Techniques in Industrial Engineering: PR: ESI 4312. Extension of ESI 4312, with primary emphasis on Operations Research and statistical applications to industrial engineering problems. Even Fall.

ESE 4523C ECS-IEMS 3(2,3) Systems Simulation: PR: STA 3032 or C.I. Methods and procedures for simulating large-scale systems with digital computers. High level simulation languages are used. Spring.

ESE 4628C ECS-IEMS 3(3,0) Industrial Engineering Applications of Computers: PR: EIN 3001 or C.I. Survey of computer methods in industrial engineering practice. Topics include: spreadsheets, databases, expert systems, and project management. Lab exercises. Fall.

ESI 5219 ECS-IEMS 3(3,0) Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, nonparametrics and ANOVA. Fall, Spring.

ESI 5227 ECS-IEMS 3(3,0) Total Quality Improvement: PR: STA 3032 or equivalent. Quality improvement (QI) tools and techniques, advanced QI techniques, quality improvement systems, total quality management concepts and implementation, planning and management tools, and case studies. Odd Fall.

ESI 5236 ECS-IEMS 3(3,0) Reliability Engineering: PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure data analysis, maintainability, reliability standards (DOA), software reliability, reliability in design, and electronic systems reliability. Fall.

ESI 5306 ECS-IEMS 3(3,0) Operations Research: PR: STA 3032. Methods of operations research, including formulation for models and derivation of solutions; linear programming, network models queueing theory, simulation, and nonlinear optimization techniques. Fall.

ESI 5339 ECS-IEMS 3(3,0) Risk Assessment and Management: PR: ESI 5234 or STA 3032. Problems and practices in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. Occasional.

ESI 5419C ECS-IEMS 3(2,2) Applications of Linear and Nonlinear Optimization: PR: ESI 4312. Spring. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practicing or analyses. Odd Fall.

ESI 5531 ECS-IEMS 3(3,0) Discrete Systems Simulation: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. Spring.

ETG 5918 ECS-ECS 3(3,0) Applied Research Methods: PR: Graduate standing or C.I. Broad overview of applied research methods from the literature review process to the investigation, modeling, experimental design, analysis of results, and technical reports. Fall.


ETI 4148 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. Spring.

ETI 4635 ECS-ECS 3(3,0) Technical Administration: PR: Junior Standing. Techniques of applying management principles to professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling, production, sales, and service. Fall, Spring.

ETI 4640 ECS-ECS 3(3,0) Operations Management for Technologists: PR: ETI 4635. Scheduling techniques (PERT), (CPM), are present. Time Study Methods, Work Sampling and MPM are covered. Fall.
Enlightenment, imperial expansion, and the French Revolution include Absolutism and Louis XIV, nation building, the French Wars of Religion. Topics include nineteenth century social, political and economic developments in Europe. PR: EUH 2000 and EUH 2001 or C.I.

EUH 3531 CAH-HIST 3(3,0) Medieval Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland’s historical and cultural development from 1129 to 1607. Occasional.

EUH 3536 CAH-HIST 3(3,0) Early Modern Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland’s historical and cultural development from 1607 to 1800. Occasional.


EUH 3651 CAH-HIST 3(3,0) War and Society: Evolution of weapons, tactics, strategy; role of multinational armies; influence of military on governments; and international efforts to preserve peace. Occasional.

EUH 4283 CAH-HIST 3(3,0) Cold War Homefronts: PR: EUH 2000 and EUH 2001 or C.I. The Cold War from the homefront perspective addressing both sides of the Iron Curtain. Occasional.

EUH 4284 CAH-HIST 3(3,0) Fascism and Nazism in the Interwar Europe: PR: EUH 2000 and 2001. Fascist and Nazi movements in interwar Europe, mostly Italy and Germany. Origin, development, use of power, system of governance, ideology, domestic and foreign policies, resistance to these movements. Occasional.


EUH 4426 CAH-HIST 3(3,0) Sex and Gender in Antiquity: PR: EUH 2000 or WOH 2012. Examines the concepts of sex and gender in Greek and Roman antiquity and their impact on modern society. Occasional.

EUH 4465 CAH-HIST 3(3,0) Hitler’s Third Reich: PR: EUH 2000 and 2001 or C.I. German nationalism and militarism; World War I and Versailles Treaty; the Weimar Republic and the rise of the Nazis; Second World War, division and recovery. Occasional.

EUH 4500 CAH-HIST 3(3,0) English History to 1485: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4501 CAH-HIST 3(3,0) English History: 1485-1815: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4502 CAH-HIST 3(3,0) British History: 1815-Present: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4571 CAH-HIST 3(3,0) History of Russia to 1801: PR: EUH 2000 and 2001 or C.I. Kievan State; Mongol Yoke; Development of Muscovite Expansionism and Absolutism; Time of Troubles; Westernization of Russia under Peter I and Catherine; Role of Orthodox Church. Occasional.

EUH 4574 CAH-HIST 3(3,0) History of Russia: 1801-1917: PR: EUH 2000 and 2001 or C.I. Alexander I; Napoleonic Invasion; Revolutionary Movement; Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente. Occasional.


EUH 4582 CAH-HIST 3(3,0) 20th Century Russian Diplomatic History: PR: C.I. Russian diplomatic history from the signing of the Entente Cordiale to the aftermath of the Cold War. Occasional.

EUH 4610 CAH-HIST 3(3,0) Women in European Society: From Medieval to Modern: PR: Junior standing or C.I. This course examines the changing situation of women in Europe from the Middle Ages to the twentieth century. Occasional.

EUH 4610H CAH-HIST 3(3,0) Honors Women in European Society: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to the changing situation of women in Europe across space and over time with honors-level content. Occasional.

EUH 4620 CAH-HIST 3(3,0) European Great Powers: 1815-1914: PR: EUH 2000 and 2001 or C.I. Congress of Vienna, Metternich’s system of Cenrail War, unifications of Italy and Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I. Occasional.


EUH 4674H CAH-HIST 3(3,0) Honors Sports & Society in the Ancient World: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to comparing the Original Olympic games and other ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

EUH 5247 CAH-HIST 3(3,0) Colloquium in Europe from 1919-1939: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history between 1919 and 1939. Occasional.

EUH 5285 CAH-HIST 3(3,0) Colloquium in Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WW II. Occasional.

EUH 5415 CAH-HIST 3(3,0) Rome and Early Christianity: PR: Graduate standing or C.I. Current trends in historical literature on Christianity from its development as a distinct religion to its relations with and eventual "triumph" within the Roman Empire. Occasional.

EUH 5419 CAH-HIST 3(3,0) Colloquium in Roman History: PR: Graduate standing or C.I. Readings in selected topics in the history of Ancient Rome. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

EUH 5459 CAH-HIST 3(3,0) Colloquium in French History: PR: Graduate standing or C.I. Readings in selected topics in French History. May be used in the degree program a maximum of 3 times. Occasional.

EUH 5546 CAH-HIST 3(3,0) Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British History. There is no standard syllabus because content is different with each offering. May be repeated for credit only when course content is different. Occasional.

EUH 5579 CAH-HIST 3(3,0) Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present. Occasional.
Cinema Survey: PR: Graduate status or Senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

European Imperialism: PR: Graduate standing or C.I. Readings in selected topics in the history of European Imperialism. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

Colloquium in Medieval Europe: PR: Graduate standing or C.I. Readings in selected topics in the history of medieval Europe. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.


EXP 3640 COS-PSYCH 3(3,0) Psychology of Language: PR: PSY 2012 or C.I. Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.

EXP 4507C COS-PSYCH 3(1,4) Advanced Human Memory and Cognition: PR: PSY 3213C, EXP 3504C. In-depth coverage of experimental research on human memory and cognition. Occasional. M&S fee $15.00.

EXP 5208 COS-PSYCH 3(3,0) Sensation and Perception: PR: Graduate status or senior standing or C.I. Study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0) Human Factors and Aging: PR: Graduate standing, post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0) Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

EXP 5445 COS-PSYCH 3(3,0) Psychology of Learning and Motivation: PR: DEP 5501 and 3 or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. Occasional.

FIL 1000H CAH-FILM 3(3,0) Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.

FIL 1007 CAH-FILM 3(3,0) Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall, Spring.

FIL 1008 CAH-FILM 3(3,0) Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall, Spring. M&S fee $5.00.

FIL 2030 CAH-FILM 3(2,2) History of Motion Pictures: The history of motion pictures as art and industry; from 1895 to the present. Fall, Spring.

FIL 2107 CAH-FILM 3(3,0) Script Analysis: PR: or CR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.

FIL 2423 CAH-FILM 3(3,0) Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in filmmaking. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall, Spring.

FIL 2461 CAH-FILM 3(3,0) Cinematography I: PR: FIL 2552 and FIL 2450. Concepts and tools of cinematography and lighting. Fall, Spring.

FIL 2480 CAH-FILM 3(3,0) Directing for Film I: PR: FIL 1007, FIL 1008, and FIL 3427C. PR or CR: FIL 3115. Introduction to processes and techniques for film directing. Spring.

FIL 2481 CAH-FILM 3(3,0) Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-FILM 3(3,0) Editing I: PR: FIL 1008 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using nonlinear editing systems. Spring.

FIL 3006 CAH-FILM 3(3,0) Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall, Spring.

FIL 3035C CAH-FILM 3(3,1) Film Histories II: PR: FIL 2030. Surveys and questions historical approaches to film and seeks to open up the field of historical enquiry to a variety of views. Fall.

FIL 3036 CAH-FILM 3(3,0) Film History I: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.

FIL 3037 CAH-FILM 3(3,0) Film History II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1945 to the present. Spring.

FIL 3041 CAH-FILM 3(3,0) History of Animated Films I: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.


FIL 3070C CAH-FILM 3(3,1) Cinema in the 1920s: PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3071C CAH-FILM 3(3,1) Cinema in the 1930s: PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3072C CAH-FILM 3(3,1) Cinema in the 1940s and 1950s: PR: FIL 3035C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3073C CAH-FILM 3(3,1) Cinema in the 1960s and 1970s: PR: FIL 3035C. Films of the 1960s and 1970s as they relate to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3074C CAH-FILM 3(3,1) Cinema 1980s to the Present: PR: FIL 3035C. Films from the 1980s and onward as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3075C CAH-FILM 3(3,1) Film and Modernism I: PR: FIL 3035C and ARH 3050. Relation of film to artistic modernism centered on key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. Spring.

FIL 3076C CAH-FILM 3(3,1) Film and Modernism II: PR: FIL 3075C and ARH 3051. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.

FIL 3102 CAH-FILM 3(3,0) Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007. Theories and process of screen writing for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall, Spring.

FIL 3115 CAH-FILM 3(3,0) Short Script I: PR: FIL 2107 and Film BFA or Cinema Studies major, or C.I. Rudiments of writing the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops. Fall, Spring.

FIL 3132 CAH-FILM 3(3,0) Short Script II: PR: FIL 3115 and Film BFA or World Cinema major, or C.I. Advanced writing of short scripts in preparation for Capstone 1 and 2 courses. Spring.

FIL 3304C CAH-FILM 3(3,1) Documentary Vision: PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

FIL 3307 CAH-FILM 3(3,0) Documentary: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Rudiments of writing the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops. Fall, Spring.

FIL 3363C CAH-FILM 3(3,1) Film Documentary: PR: FIL 2107 and Film BFA or Cinema Studies major. The uses and analysis of the non-fiction film. Fall, Spring.

FIL 3379C CAH-FILM 3(3,6) Advanced Documentary Production: PR: FIL 3363C and FIL 3845, or C.I. Processes and principles of advanced documentary production to capture on-going reality based situations. Occasional.
FIL 3379H CAH-FILM 3(3,6) Honors Advanced Documentary Workshop: PR: ENC 2900 and consent of Honors or C.I. Public history research and documentary production. Student-produced multimedia projects centered on local partnerships that explore the public history of Central Florida. With Honors content. Occasional.

FIL 3427C CAH-FILM 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-FILM 6(2,4) Film Landscapes: Story, Image and Culture: PR: FIL 2107 and Film BFA or World Cinema, or Cinema Studies major. Introduction to the film theories of filmmakers in relation to their relationship with French literature. PR: FIL 3035C. Study of outstanding Italian movie directors will be analyzed from a structural, social, economical, and historical perspectives and reader's coverage. Occasional.

FIL 3806C CAH-FILM 3(3,1) Color and Lighting in Cinema: PR: FIL 3055C. Ideas and practices related to lighting and color primarily in film but also painting, sculpture, photography and theatre. Occasional.

FIL 3880C CAH-FILM 3(3,1) Images of Women in Film: PR: FIL 2107. Images of women in film and how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, and ideological factors. Fall, Spring.

FIL 3922 CAH-FILM 1(1,1) Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. Fall, Spring.

FIL 4040 CAH-SVAD 3(3,0) Animation Film History for Non Film Majors: PR: ENC 1102. Evolution of animation since World War II. Occasional.

FIL 4057C CAH-FILM 3(3,1) Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

FIL 4103 CAH-FILM 3(3,0) Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. Occasional.

FIL 4103H CAH-FILM 3(3,0) Honors Film Adaptation: PR: Consent of Honors. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. With Honors content. Occasional.

FIL 4113C CAH-FILM 3(2,3) Interactive Writing I: PR: Junior Standing, Film major, FIL 3115 or Digital Media major. Writing workshop for experienced scriptwriters, cold readings, preparing calling card script, marketing scripts and funding sources. Occasional.

FIL 4126C CAH-FILM 3(2,2) Genre Writing: PR: Film major, FIL 3035C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, etc. Occasional.

FIL 4162C CAH-FILM 3(2,3) Feature/TV Writing I: PR: FIL 3055C, Writing workshop, examination of myth storytelling, and ethics of scriptwriting. Fall.
Documentary Workshop I:
FIL 4301C CAH-FILM 3(1,3)полнение и оформление документальных фильмов. Направление группы, организация непрофильных операций в сфере создания фильмов, и использование визуальных и медиа медиа средств.

Documentary Workshop II:
FIL 4434C CAH-FILM 3(2,4) направление создания документальных фильмов. Опыт работы аниматора в сфере документальных фильмов.

Film Theory/ Film Production:
FIL 4436 CAH-FILM 3(3,0) теория и практика создания фильмов. Экспертиза качества и оценка надежности проектов.

PR: FIL 4301C or C.I.

Odd Spring.

Film Production Management:
FIL 4536 CAH-FILM 3(3,0) управление проектами в сфере создания фильмов. Управление проектами и стратегия финансирования.

PR: FIL 4434C. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. Fall.

Film Production Management:
FIL 4573C CAH-FILM 3(1,3) управление проектами в сфере создания фильмов. Управление проектами и стратегия финансирования.

PR: FIL 4434C. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. Fall.

Film and Internet Business:
FIL 5612 CAH-FILM 3(3,0) бизнес в сфере создания фильмов и медиа проектов. Разработка стратегий продвижения и рекламы.

PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documentaries and the Internet. Fall.

Research Methods in Film and Digital Media:
FIL 5800 CAH-FILM 3(3,0) методы исследований в сфере создания фильмов и медиа проектов. Методы исследования в сфере создания фильмов и медиа проектов.

PR: Admission to MFA Film & Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. Spring.

Independent Cinematic Forms:
FIL 5853 CAH-FILM 3(3,0) самостоятельные формы в сфере создания фильмов. Создание самостоятельных форм в сфере создания фильмов.

PR: Admission to MFA Film & Digital Media/Entrepreneur Digital Cin track, or C.I. Evaluation of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. Fall.

Ways of Seeing: The Expressive Potential of Film:
FIL 5864 CAH-FILM 3(3,0) видение и выражение потенциала в сфере создания фильмов. Экспрессивный потенциал в сфере создания фильмов.

PR: FIL 4486C. Advanced principles and practices of cinematography. Fall.

FIN 2100 BA-FIN 3(3,0) персональные финансовые инструменты. Открыт для всех студентов, миноров, и минор-мажоров. Описание персональных и семейных финансовых планов. Вопросы включают в себя жилищные и инвестиционные решения, страхование, пенсионное планирование, стратегии управления финансовыми активами.

FIN 3403C BA-FIN 4(3,1) финансовые инструменты. Открыт для студентов, имеющих достаточную академическую подготовку и желающих участвовать в академической программе.

Business Finance:
FIN 5431 BA-FIN 3(3,0) бизнес финансирование. Открыт для студентов, имеющих достаточную академическую подготовку и желающих участвовать в академической программе.

FIN 5432 BA-FIN 3(3,0) академическая подготовка. Открыт для студентов, имеющих достаточную академическую подготовку и желающих участвовать в академической программе.

Financial Statement Analysis:
FIN 5433 BA-FIN 3(3,0) анализ бухгалтерской отчетности. Анализ бухгалтерской отчетности в сфере создания фильмов и медиа проектов.

PR: FIN 3403C with a "C" (2.0) or better; open to majors or minors which require this course. The role of short- and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.
FIN 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 4314 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 stress testing, and capital decisions. Case studies used extensively. Occasional.

FIN 4453 BA-FIN 3(3,0) Risk and Investment Management: PR: FIN 3403C, FIN 3414, and FIN 3504, each with a "C" (2.0) or better; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

FIN 4514 BA-FIN 3(3,0) Portfolio Analysis and Management: PR: FIN 3403C, FIN 3504 and FIN 3505, 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: FIN 3403C, FIN 3504, and FIN 3505, 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 I: PR: Finance major, FIN 3403C, FIN 3504, and FIN 3505, each with a "C" (2.0) or better; open to majors or minors which require this course. Portfolios prepared for UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C BA-FIN 3(3,1) Applied Portfolio Management II: PR: Finance major, FIN 4560C with a "C" (2.0) or better, and C.I. For UC Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics including using of derivatives, tax issues, and style investing. Occasional.

FIN 4604 BA-FIN 3(3,0) International Financial Management: PR: FIN 3403C with a "C" (2.0) or better; open to majors or minors which require this course. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4730 BA-FIN 3(3,0) Senior Financial Consulting I: PR: Finance major, FIN 3403C and FIN 3503, 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(0,3) Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, minimum overall GPA of 2.75 and consent of department chair. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160 ED-T&L 3(3,0) Education and Culture/Language Diversity: PR: Admission to major, over all 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 4290 ED-T&L 2(2,0) Technology in the Foreign Language Classroom: PR: grad. students. Applications of technology in the foreign language classroom including uses of the Web, email, chat, electronic portfolios, electronic curriculum planning tools, and software. May be repeated for credit. Occasional.

FLE 4314 ED-T&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 conversationally and on integrating culture in the K-6 classroom. Occasional.

FLE 4333 ED-T&L 3(3,0) Foreign Language Teaching in the Secondary School: PR: EDG 4322, proficiency in the target language and English. Methods of teaching foreign languages at the secondary level within a communicative framework. Current instructional techniques in listening, speaking, reading, and writing skills, testing, error correction. May be repeated for credit. Occasional.

FLE 5331 ED-T&L 3(3,0) Foreign Language Methods at the Secondary Level: PR: C.I. or EDG 3432, or EDG 6236, or classroom teaching experience, and fluency in the target language and English. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335 ED-T&L 3(3,0) Foreign Language Methods at the Secondary Level: PR: C.I. or EDG 3432 or FLE 5870, EDG 8072 or EDG 6236, and fluency in target language and English. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit. Occasional.

FLE 5870 CAH-LANG 3(3,0) Methods of Teaching Foreign Languages: PR: Graduate student or senior standing or C.I. This course introduces students to the methodologies and applied research in the field of second language acquisition. It also offers guidance in the practical matters of teaching lower division language courses at university and community college levels. Occasional.

FRE 1120C CAH-LANG 4(1,1) Elementary French Language and Civilization I: introduces the student to French culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Fall, Spring.

FRE 1121C CAH-LANG 4(3,1) Elementary French Language and Civilization II: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2200 CAH-LANG 3(3,0) Intensive French Language and Civilization I: PR: FRE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 2201 CAH-LANG 3(3,1) Intensive French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.

FRE 2210 CAH-LANG 3(3,0) Intensive French Conversation: PR: One year of French or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.


FRE 3300 CAH-LANG 3(3,0) French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structures of French for students who intend to take French literature courses. Fall.

FRE 3410 CAH-LANG 3(3,0) Advanced Oral French abroad: PR: FRE 2200, FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

FRE 3420 CAH-LANG 3(3,0) French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAH-LANG 3(3,0) Advanced French Grammar abroad: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440 CAH-LANG 3(3,0) Business French I: PR: Three semesters of French language. Introduces vocabulary and terminology in various French business activities, as well as standards, procedures, and practices of the French business world. Occasional.

FRE 3441 CAH-LANG 3(3,0) Business French II: PR: FRE 3440 or C.I. Introduction to French business language and practices. Occasional.

FRE 3760 CAH-LANG 3(3,0) Advanced French Oral Communication: PR: FRE 2201 or equivalent. Vocabulary building with systematic training in dictation and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Spring.

FRE 3780 CAH-LANG 3(3,0) French Phonetics and Diction: French phonology, with emphasis on phonetic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0) Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean Islands, studying the French language within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0) Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines: literature, art, politics, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(3,0) Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.

FRE 4471 CAH-LANG 8(6,0) Advanced French Cultural Studies abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.


FRE 4503 CAH-LANG 2(2,0) Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.
FRE 4782 CAH-LANG 2(2.0) Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Intensive study in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.

FRT 3140 CAH-LANG 3(3.0) French and Francophone Literary Masterpieces in Translation: PR: FRE 2000. May include survey covering texts from the Middle Ages to the present or may focus on a particular period, genre, or topic. Occasional.

FRT 3562 CAH-LANG 3(3.0) French Contemporary Pop Culture: PR: FRE 2200. Examination of Modern France and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

FRT 4421 CAH-LANG 3(3.0) French Medieval Literature and Culture: PR: FRV 3810. Provides students with the skills needed to read, discuss, and write about French Literature and culture of medieval France. Occasional.

FRW 3100 CAH-LANG 3(3.0) Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

FRW 3101 CAH-LANG 3(3.0) Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

FRW 3370 CAH-LANG 3(3.0) Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

FRW 3740 CAH-LANG 3(3.0) The French Literature of Canada: PR: FRE 2201 or equivalent. Main literary currents and works from the late 19th century to the present, with particular emphasis on the novel and short story. Occasional.

FRW 3752 CAH-LANG 3(3.0) French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonization to the present. French. Occasional.


FRW 3770 CAH-LANG 3(3.0) Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 3810 CAH-LANG 3(3.0) French Literary Texts and Analysis: PR: FRE 2201. French and literary analysis from the Middle Ages to the present. Course is conducted in French. Fall.

FRW 4281 CAH-LANG 3(3.0) 20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazi, Beckett, Buor, Camus, Mauriac, Malraux and Sarragoe. Occasional.

FRW 4310 CAH-LANG 3(3.0) Seventeenth Century French Theatre: PR: FRW 3100, Cornelle, Racine, and Molière. A study of the lives and principal works of the authors. Occasional.

FRW 4324 CAH-LANG 3(3.0) 20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Ciaudroux, Ionesco, and Sartre; different literary approaches will also be used. Occasional.


FRW 4820 CAH-LANG 3(3.0) 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.

FSS 2211C RCHM-FOOD&LODG 4(3,3) Techniques of Food Preparation: Basic principles of food and beverage preparation, service, and menu development. Fall, Spring. M&S fee $70.00

FSS 2224C RCHM-FOOD&LODG 4(3,3) Food Preparation for Catered Events: Basic principles of food preparation and menu development for catered events. Methods and procedures for on and off premise catered events. Occasional. M&S fee $70.00

FSS 3008 RCHM-FOOD&LODG 3(3.0) Food and Culinary Arts: PR: FSS 2211C and HFT 2625. The historical and geographical developments that have affected the creation of the cuisines of the world. Spring. M&S fee $35.00

FSS 3124 RCHM-HOS 3(3.0) Supply and Procurement Management: PR: HFT 1000 and junior standing or C.I. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. Occasional. M&S fee $45.00

FSS 3232C RCHM-HOS 3(1.3) Intermediate Techniques of Food Production: PR: HFT 4206C. An advanced food production course which provides the student the opportunity to develop skills in pantry, gardener, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee $70.00

FSS 4135 RCHM-HOS 3(3.0) Corporate Contract for Managed Services Organizations: PR: HFT 3263. The unique characteristics of managed services including contracting, commonly purchasing, pricing, and revenue management. Occasional.

FSS 4286C RCHM-HOS 3(3.1) Catering and Banquet Organization: PR: FSS 2211C and junior standing or C.I. Methods and procedures for successful on and off premise catering functions.

FSS 4405 CAH-LAS 3(3.0) Geography of Latin America: PR: ENC 1102 or C.I. Geography of Latin America and the Caribbean, including geographical, cultural, economic, and social characteristics and processes. Occasional.

GEB 1091C BA-MAN 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Business with a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

GEB 2350 BA-MAR 3(3.0) Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. Fall.

GEB 3031 BA-MAN 3(3.0) Cornerstone: Professional Skills for Business: PR: Finance major, Junior standing, An exploration of opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change. Fall, Spring.

GEB 3031L BA-MAN 1(0.2) Cornerstone I Lab: Professional Skills for Business: PR: CBA major/minor or approved major/minor CR: GEB 3031. Students apply concepts and principles introduced in GEB 3031 and related skills essential to academic and professional success. Fall, Spring.

GEB 3113 BA-MAN 3(3.0) How to Start a Business: PR: Sophomore Standing. Provides background and tools necessary to understand and participate in the entrepreneurial process within a large company, new venture, or growing a small business. Occasional.

GEB 3375 BA-FIN 4(4.0) Introduction to International Business: PR: Junior standing and ACG 2071, ECO 2013 and ECO 2023, each with a "C" (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.

GEB 3375H BA-FIN 4(4.0) Introduction to International Business - Honors: PR: Junior standing, permission of Honors, ACG 2071, ECO 2013, and ECO 2023, each with a "C" (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Same as GEB 3375 with honors level credit. Occasional.

GEB 4110 BA-MAN 3(3.0) Business Plan Preparation: PR: MAN 4802 or GEB 4152. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. Fall, Spring.

GEB 4111 BA-MAN 3(3.0) New Venture Finance: PR: MAN 4802 or GEB 4152. Knowledge and hands-on processes in the accounting, finance and treasury functions needed to start and manage a new venture from concept to exit. Odd Fall, Even Spring.


GEB 4361 BA-FIN 3(3.0) Business in the International Environment: PR: Finance major, FIN 3403C, MAR 3023, and MAN 3025, each with a "C" (2.0) or better. Provides an overall understanding of the nature, magnitude, and importance of the international business sector. Occasional.

GEB 4374 BA-FIN 3(3.0) International Negotiations and Transactions: PR: Finance major, Junior standing and admission to CBA. Focuses on providing an understanding of the concepts and skills required for international negotiations and transactions. Occasional.


GEB 4824 BA-BUS 3(3.0) Business Law in Sport & Entertainment: PR: FIN 3202 with a "C" (2.0) or better, and either SIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. Understanding the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Fall.
### UCF Courses and Descriptions

#### GEY 5648 HPA-SOWK 3(3,0)
**Gerontology: An Interdisciplinary Approach**

- **Description:** Graduate or senior standing or C.I. The study of aging will be presented from an interdisciplinary and multidisciplinary approach spanning the social sciences and health.

#### GIS 3035C ECS-CECE 3(2,2)
**Remote Sensing of the Environment:**

- **Description:** Graduate or C.I. Introduction and application of remote sensor imagery to physical, economic, and urban analysis.

#### GIS 4301C UGST-INTERDISC 4(2,2)
**Advanced GIS Applications in Environmental Studies:**

- **Description:** GIS technology for environmental science, including ArcGIS, including environmental analysis and facility siting studies.

#### GLE 1030 COS-CHEM 3(3,0)
**Geology and its Applications:**

- **Description:** Geologic principles, applications, and hazards including: geostatistics, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinks, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

#### GRA 2101C CAH-SVAD 3(2,4)
**Introduction to Computer Art:**

- **Description:** ART 2823 or C.I. Priority given to students whose major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. Fall, Spring. M&S fee $15.00

#### GRA 2101H CAH-SVAD 3(2,4)
**Honors Introduction to Computer Art:**

- **Description:** 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

#### GEW 4531 CAH-LANG 3(3,0)
**The Age of Goethe and Schiller:**

- **Description:** Select works of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romanticism. Occasional.

#### GEO 1200 ECS-CECE 3(3,0)
**Physical Geography:**

- **Description:** Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.

#### GEO 2240 CAH-LANG 3(3,0)
**German Conversation:**

- **Description:** Intermediate German conversation and correctness in speaking. Open only to students with no experience in this language.

#### GEO 2370 ECS-CECE 3(3,0)
**Resources Geography:**

- **Description:** Analysis of basic principles and their association 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:**

- **Description:** PR: ENC 1102 or C.I. Analysis of factors which affect power relations among nations: location, political style, political divisions, and the politics of energy. Fall, Spring.

#### GER 2201 CAH-LANG 3(3,1)
**Intermediate German Language and Civilization II:**

- **Description:** PR: GER 2200 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

#### GER 2202 CAH-LANG 3(3,1)
**Intermediate German Language and Civilization II:**

- **Description:** PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

#### GER 2206 CAH-LANG 3(3,1)
**Intermediate German Language and Civilization II:**

- **Description:** PR: GER 2200 or equivalent. Development of language skills in conversation and comprehension through practice. Occasional.

#### GER 2271 CAH-LANG 2(2,0)
**Modern German Civilization Abroad I:**

- **Description:** PR: One year of college-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lectures, readings, films, and other media. In German. Occasional.

#### GEW 3100 CAH-LANG 3(3,0)
**Survey of German Literature I:**

- **Description:** PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.

#### GEY 3001 HPA-SOWK 3(3,0)
**Gerontology: An Interdisciplinary Overview:**

- **Description:** PR: Junior standing or C.I. Study of aging from an interdisciplinary perspective that bridges social and behavioral sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. Fall.

#### GEY 3326H COS-PSYCH 3(3,0)
**Honors Images of Aging:**

- **Description:** PR: Advanced standing in the Honors College and consent of Honors. Interdisciplinary examination of issues in aging and how the various images of aging are reflected across the natural sciences, social sciences and humanities. With Honors content. Occasional.
HBR 3410 CAH-JUD 3(3,0)  
Conversational Israeli Hebrew: PR: HBR 1120.  
HBR 1120 or C.I. Study and practice of contemporary conversational Israeli Hebrew. Occasional.

HFT 1000 RCHM-HSP SERV 3(3,0)  
Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.

HFT 2220 RCHM-HSP SERV 3(3,0)  
Hospitality Human Resource Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

HFT 2254 RCHM-HOS 3(3,0)  
 Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.

HFT 2401 RCHM-HSP SERV 3(3,0)  

HFT 2500 RCHM-HSP SERV 3(3,0)  
 Hospitality and Tourism Service Management: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. Fall, Spring.

HFT 2750 RCHM-TEA 3(3,0)  
The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. Fall, Spring.

HFT 3263 RCHM-HOS 3(3,0)  
 Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing or C.I. Discussion of the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.

HFT 3273 RCHM-HOS 3(3,0)  
 Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. Fall, Spring.

HFT 3323 RCHM-HSP SERV 3(3,0)  
 Hospitality Physical Plant Management: PR: Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. Spring.

HFT 3353 RCHM-TEA 3(3,0)  
 Golf Planning & Operations I: Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. Occasional.

HFT 3354 RCHM-TEA 3(3,0)  
 Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. Occasional.

HFT 3377 RCHM-TEA 3(3,0)  

HFT 3384 RCHM-TEA 3(3,0)  
 Golf and Club Enterprises Management: PR: HFT 1000 and FSS 2221C. Comprehensive examination of the golf and Club management industry, its related national and international associations, and career path opportunities. Occasional.
HFT 3770 RCHM-TEA 3(3,0) Cruise Line Operations and Management: PR: PR: HFT 3443 and junior standing or C.I. Understanding of cruise company operations and management. Shipboard organization and delivery of cruise product to the guest. Occasional.

HFT 3785 RCHM-TEA 3(3,0) 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.

HFT 3929 RCHM-TEA 3(3,0) 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.

HFT 3978 RCHM-TEA 3(3,0) 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.

HFT 3868 RCHM-HOS 3(3,0) History and Culture of Wine: PR: World History course. The role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring. M&S fee $45.00

HFT 3933 RCHM-RCHM 1(1,0) Distinguished Lectures in Hospitality Management: PR: HFT 1000, Junior standing. First-hand experiences in hospitality leadership, their perspectives on the segments they represent, and the breadth of those segments. Graded S/U. Fall, Spring.

HFT 3949 RCHM-RCHM 0-5(1-5) Cooperative Education: Provides paid, pre-professional work experience related to the student's major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HFT 4206C RCHM-HOS 3(3,1) Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas; food service lab component. Occasional.

HFT 4253 RCHM-TEA 3(3,0) Hotel Operations: PR: HFT 2401, HFT 2500, HFT 3436, HFT 3963 and Senior Standing. Provides the advanced student with first-hand knowledge of the day-to-day operations of a hotel property. Reconciles conflicts between theory and practice in a real life hotel. Occasional.

HFT 4255 RCHM-HOS 3(3,0) Advanced Hotel Development: PR: HFT 4464, HFT 4473, or C.I. Hotel investment practices, risk management and other investment decision factors. Occasional.

HFT 4266 RCHM-HOS 3(3,0) Restaurant Brand Management: PR: HFT 3263 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry. Occasional.

HFT 4268 RCHM-HOS 3(3,0) Case Studies in Restaurant Management: PR: HFT 3263 and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4274 RCHM-HOS 3(3,0) Resort Management: PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques in the management of resorts. Occasional.

HFT 4275 RCHM-HOS 3(3,0) Development of Vacation Ownership Resorts: PR: HFT 3273 and HFT 4475 or C.I. Comprehensive analyses of applied theories, principles, and techniques used in the planning and development of vacation resorts. Occasional.

HFT 4277 RCHM-TEA 3(3,0) Yacht, Country, And City Club Management: PR: HFT 1000 and junior standing or C.I. A study of the history, development, operation and management of Yacht, Country and City Clubs. Emphasis will be placed on operational aspects. Fall.

HFT 4281 RCHM-HOS 3(3,0) Restaurant Leadership Strategies and Tactistics: PR: HFT 3257 and junior standing or C.I. Restaurant Management Core or C.I. An analysis of the leadership styles of restaurant industry founders and executives. Fall, Spring.

HFT 4286 RCHM-HSP SERV 3(3,0) Hospitality Communications: PR: HFT 1000; HFT 2220; CSS 2212; HFT 2254; HFT 2500; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on interdepartmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4295 RCHM-HSP SERV 3(3,0) Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.

HFT 4343 RCHM-HSP SERV 3(3,0) Hospitality Facilities Planning and Design: PR: HFT 1000, HFT 2254 and junior standing; or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. Odd Fall.


HFT 4375 RCHM-TEA 3(3,0) Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and demand/supply issues. Event logistics and on-site management of critical success factors. Occasional.

HFT 4413 RCHM-HSP SERV 3(3,0) Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.

HFT 4432 RCHM-HSP SERV 3(3,0) Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides basic fundamnetals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Occasional.

HFT 4457 RCHM-HOS 3(3,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Even Spring.

HFT 4466 RCHM-HSP SERV 3(3,0) Hospitality Industry Finance: PR: HFT 3431 and junior standing or C.I. Working knowledge of finance concepts and their applications to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Odd Fall, Odd Spring.

HFT 4468 RCHM-HSP SERV 3(3,0) Hospitality Industry Revenue Management: PR: HFT 2254 and HFT 3443. Revenue management practices in hospitality organizations which include capacity management, revenue forecasting, discounting, overbooking and rate management. Fall, Spring.

HFT 4473 RCHM-HSP SERV 3(3,0) Hotel Development Analysis: PR: HFT 3431 and junior standing or C.I. Review of methodological operation, financial, and marketing aspects of analyses for hotel development projects. Occasional.

HFT 4522 RCHM-HOS 3(3,0) Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 2254, or C.I. Sales tactics and corporate strategies employed in the sales and marketing of resorts. Occasional.

HFT 4532 RCHM-TEA 3(3,0) Managing the Employee Experience in the Theme Park and Attraction Industry: PR: HFT 2750 and junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall.


HFT 4614 RCHM-TEA 3(3,0) Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 3603; or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.

HFT 4732 RCHM-TEA 3(3,0) Tourism Impact Analysis: PR: HFT 3700. Quantitative and qualitative examination of tourism as an industry in the regional/national economy along the tourism satellite accounts concept. Fall, Spring.

HFT 4735 RCHM-TEA 3(3,0) Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and World. Fall, Spring.

HFT 4736 RCHM-TEA 3(3,0) Destination Management: PR: HFT 3700. Principles and issues related to destination management; strategies and processes involving design, operations, distribution, repositioning and impact of tourism at the destination. Occasional.

HFT 4753 RCHM-TEA 3(3,0) Convention and Conference Services: PR: HFT 3517 and junior standing or C.I. Provides an in-depth understanding of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effective convention and conference operations. Spring.

HFT 4754 RCHM-TEA 3(3,0) Exhibit and Trade Show Operations: PR: HFT 2750 and junior standing or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.

HFT 4755 RCHM-TEA 3(3,0) Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design. Fall, Spring.

HFT 4757 RCHM-TEA 3(3,0) Event Management: PR: HFT 3670, HFT 3512, HFT 3373 HFT 3523, HFT 3519, or C.I. Event planning including how organizations use events to achieve strategic objectives. Students plan and execute events that meet and/or exceed industry standards. Fall, Spring. M&S fee $65.00

HFT 4759 RCHM-TEA 3(3,0) Product Development in Theme Parks and Attractions: PR: HFT 4755 and junior standing or C.I. The strategic management process associated with product development in the theme parks and attraction industry. Occasional.

UCF Courses and Descriptions


HSA 3430 HPA-HP 3(3,0) Health Care Economics: PR: HSA 3111; ECO 2203; or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers' behaviors in the delivery of health services. Fall, Spring.

HSA 4100 HPA-HP 3(3,0) Principles of Managed Care: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4105H HPA-HP 3(3,0) Health Care Policy: PR: Permission of Honors and Junior Standing or C.I. Examination of five significant policy issues to enable the student to gain knowledge and understanding of the complexities of health care as a societal issue. Occasional.

HSA 4180 HPA-HP 3(3,0) Organization & Management for Health Agencies I: PR: HSA 3111 or admitted to HILM program. General description and analysis of the management and organization of a variety of health care organizations including hospitals, long term care facilities and medical group practices. Fall, Spring.

HSA 4184 HPA-HP 3(3,0) Organization & Management for Health Agencies II: PR: HSA 3111 and HSA 4180, or C.I. In-depth analysis of management and organization of health care agencies including hospitals, long term care facilities, and medical group practices. Fall.


HSA 4502 HPA-HP 3(3,0) Risk Management Systems: PR: HSA 3111 or C.I. Safety, liability and loss control issues with emphasis on risk retention, risk reduction and risk transfer in health care. Fall, Spring.

HSA 4702 HPA-HP 3(3,0) Health Sciences Research Methods: PR: (STA 2043 or STA 2053) and Junior Standing, or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

HSA 4850 HPA-HMI VAR Health Services Administration Internship: PR: 2.5 UCF GPA, 30 overall credit hours, 24 HSA credit hours, approval of the Internship Director. Administrative experience in an approved health care organization. Fall, Spring.

HSA 4939 HPA-HMI 3(3,0) Health Services Administration Capstone: PR: HSA major and Senior Standing, HSA 3170, HSA 3430 and HSA 4184. Capstone course applies healthcare administration theory to a healthcare organization. Students will integrate previous coursework to evaluate an existing healthcare organization. Fall, Spring.

HSA 5177 HPA-HP 3(3,0) Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.

HSA 5198 HPA-HP 3(3,0) Health Care Decision Sciences and Known and Unknown Management: PR: HSA 5566 or passing score on statistics assessment exam. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving managerial decision making process will be presented. Occasional.

HSA 5257 HPA-HP 3(3,0) ICD9 Coding for Health Services Administrators: PR: HSA 5566 or C.I. Emphasis on understanding the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 5259 HPA-HP 3(3,0) CPT Coding for Health Services Administrators: PR: HSC 6636 or C.I. or BS in health-related field. Emphasis on understanding skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. Occasional.

HSA 5436 HPA-HMI 3(3,0) Foundations of Health Care Economics: PR: Admission to HSA graduate program or C.I. Preparatory course for graduate students who are not prepared to take the required health care economics course. Fall.

HSC 1931C HPA-HPA 2(1,1) Foundations of LEAD Scholars: 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 3(2,0) Introduction to the Health Professions: PR: Freshman and Sophomores only. A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Fall.

HSC 2921 HPA-HP 2(2,0) LEAD Colloquium: PR: Accepted to the LEAD Scholars Program. Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Occasional.

HSC 3110 HPA-HP 3(3,0) Medical Self Assessment: PR: ENC 1101 and MGF 1106. Development of clinical skills and understanding of one's health to achieve active participation of individuals in their own health care. Fall, Spring.

HSC 3147 HPA-HP 3(3,0) Introduction to Pharmacology: Review of terminology and regulations. Study of drug types and usage. Fall, Spring.

HSC 3211 HPA-HP 3(3,0) Preventive Health Care: PR: PCB 3703C. An established interdisciplinary approach to help maintain people maintain health and prevent chronic diseases, stress, and addiction. Fall, Spring.

HSC 3432 HPA-HP 3(3,0) Occupational Safety for the Health Care Professional: PR: ZOO 3733C and PCB 3703C. Issues surrounding the health care environment and the risks associated with working there. Fall, Spring.

HSC 3537 HPA-HP 3(3,0) Medical Terminology: A study of the language of medicine and allied health specialties, including work construction, definitions, and application of terms. Fall, Spring.

HSC 3559 HPA-COM SC&DIS 3(3,0) Disabilities in American Society: PR: Junior or senior status, Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. Fall.

HSC 3593 HPA-HP 3(3,0) HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and issues surrounding this public health crisis. Fall, Spring.

HSC 3640 HPA-HP 3(3,0) Health Law: PR: HSA 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. Fall, Spring.

HSC 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 C.H.P.S. Program. Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

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 (STA 2043 or STA 2053) or C.I. Historical, sociocultural and economic factors in community health; current community health problems; interphase of governmental, voluntary and private agencies. Fall, Spring.

HSC 4502 HPA-HP 3(3,0) Epidemiology: PR: HSC 6636 or C.I. or BS in health-related field or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. Occasional.

HSC 4509 HPA-HP 3(3,0) Pathophysiology I: PR: ZOO 3733C and PCB 3703C, or C.I. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the immune, cardiovascular, respiratory, and renal systems. Fall, Spring.

HSC 4555 HPA-HP 3(3,0) Pathophysiology II: PR: PCB 3703C and ZOO 3733C. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the digestive, hepatobiliary, nervous, and endocrine systems. Fall, Spring.

HSC 4564 HPA-HP 3(3,0) Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.


HSC 4652 HPA-HP 3(3,0) Health Law and Ethics: PR: ENC 1102 and Junior Standing, or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. Fall, Spring.

HSC 4730 HPA-HP 3(3,0) Applied Health Research Methodology: PR: (STA 2023 or STA 2043) and Junior Standing. Clinical research issues including: clinical research questions, protocol, patient safety, IRB, ethics and patient rights. Occasional.
UCF Courses and Descriptions

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 U.S. wars in Iraq and Afghanistan. Occasional.

INR 4224 COS-POLS 3(3,0) Contemporary International Politics of Asia: PR: POS 2041 or INR 2002, or C.I. Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.

INR 4225 COS-POLS 3(3,0) The Vietnam War: PR: POS 2041 or INR 2002, or C.I. Background of events leading to America’s involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.


INR 4304 COS-POLS 3(3,0) Issues in International Public Policy: PR: POS 2041. Junior standing or C.I. Enigmatic and exogenous variables, including policy analysis and decision-making, which influence select international public policy issues. Occasional.

INR 4333 COS-POLS 3(3,0) International Security: PR: POS 2041 or C.I. The security relations and problems of nation states. Occasional.

INR 4335 COS-POLS 3(3,0) Coercion in International Politics: PR: Junior standing or C.I. Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. Even Fall.

INR 4350 COS-POLS 3(3,0) Global Environmental Politics: PR: INR 2002 or ENC 1102. The unique environmental struggles and political issues that occur on the international and global levels. Fall.

INR 4351 COS-POLS 3(3,0) International Environmental Law: PR: Junior standing or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth’s biosphere when challenged by national sovereignty and economic and cultural diversity. Occasional.

INR 4364 COS-POLS 3(3,0) The Intelligence Community: PR: POS 2041 or INR 2002 or CPO 3103 or C.I. The intelligence community structure in its relationship to foreign policy decision making, consideration of control and reliability questions, and issues of cooperation and coordination. Spring.

INR 4401 COS-POLS 3(3,0) International Law: PR: Junior standing 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: Junior standing, 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 4602 COS-POLS 3(3,0) International Relations Theory: PR: INR 2002, 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-POLS 3(3,0) Politics of International Trade Policy: PR: INR 2002 or C.I. Actors and processes of international trade policy-making at the sub-national, nation-state, regional, and global levels of analysis. Occasional.

INR 4774 COS-POLS 3(3,0) Military Space Policy: PR: INR 2002 and Junior standing, or C.I. Politics and policymaking involved in militaries globally, consideration of effects on globalization and international policies economic and military. Occasional.

INT 4205C HPA-COM SC&DIS 4(3,1) Interactive Interpreting I: PR: ASL 2140, ASL 2150 and ASL 4180C or C.I. Theories, guidelines, principles and practices of interpreting, including interpreter’s role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. Occasional.

ISC 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.

ISC 2217 COS-MATH 1(3,0) Interdisciplinary Applications of Calculus III: CR: MAC 2313. Interdisciplinary applications of differential and integral calculus topics in MAC 2313 to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

ITA 1120C CAH-LANG 4(3,1) Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

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 1120C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. Fall.

ITA 2201 CAH-LANG 3(3,0) Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. Spring.

ITA 3420 CAH-LANG 3(3,0) Italian Composition: PR: ITA 2200 or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

ITA 3440 CAH-LANG 3(3,0) Italian for Business: PR: ITA 2200. Italian language for business purposes. Occasional.

ITA 3472 CAH-LANG 3(3,0) Renaissance Art Abroad: PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo. Occasional.

ITA 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) Italian Syntax Abroad: PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. Occasional.


ITT 3480 CAH-LANG 3(3,0) Study Abroad: Italian Literature in Translation: PR: C.I. Main literary tendencies and authors of Italian literature, taught in the native environment. Occasional.

ITT 4956 CAH-LANG 3(3,0) Survey Abroad: Modern and Contemporary Italian Literature: 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: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammar proficiency requirement. Newspapers and writing for the mass media. Fall, Spring.

JOU 3004 COS-COMM 3(3,0) History of American Journalism: Development of mass media, leading innovators, and the media’s role in the nation’s history. Fall, Spring.

JOU 3015 COS-COMM 3(3,0) Principles of Journalism: PR: Either SPC 1508, SPC 1603, 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) Advanced Reporting: PR: Journalism major or Magazine Journalism minor, meet Grammar Proficiency standard, 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: STA 1063C or MAC 1105C, 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.
UCF Courses and Descriptions

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 3201, and a minimum grade of "C" (2.0) in JOU 2100C. Practical aspects of editing. Occasional.

JOU 3304 COS-COMM 3(3,0)
Journalism Readings: PR: Either SPC 1608, SPC 1603, COM 1000, or C.I. Concepts of literary journalism, designed to enhance understanding and evaluation techniques used by journalists. Occasional.

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 I: 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 3912L COS-COMM 4(0,12)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603 or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision and learn first-hand the processes 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 3191. Reporting on city, county and state government. Occasional.

JOU 4211C COS-COMM 3(2,1)
Informational Graphics: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. Occasional.

JOU 4213C COS-COMM 3(2,1)
Page Design: PR: Journalism major and JOU 3201. Designing news pages, including stories, headlines, and other content. Fall, Spring.

JOU 4224 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 design and editing skills, and editorial requirements. Spring.

JOU 4300 COS-COMM 3(3,0)
Feature Writing: PR: Journalism major or Magazine Journalism minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural events. Occasional.

JOU 4306C COS-COMM 3(1,2)
Critical Writing: PR: Journalism major or Magazine Journalism minor. Writing reviews of plays, movies, 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. Study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.

JOU 4304C 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 4314C COS-COMM 3(1,3)
Online Journalism II: PR: JOU 4304C. 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 MMC 3200, and Senior standing. Combining print and electronic technologies to transmit information to the public. Fall, Spring.

JOU 4470 COS-COMM 3(3,0)
Journalism Ethics: PR: MMC 3200. Ethical problems, codes, and practices in newsrooms. Fall, Spring.

JPN 1102C CAH-LANG 3(4,1)

JPN 2200 CAH-LANG 3(3,1)
Intermediate Japanese Language and Civilization I: PR: JPN 1121C or equivalent. Course aims to aid in acquiring and refining the acquisition of the four skills in modern Japanese: speaking, listening, reading, and writing. The emphasis is on accurate communication in Japanese. The culture of Japan will also be studied. Fall.

JPN 2201 CAH-LANG 3(3,1)
Intermediate Japanese Language and Civilization II: PR: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization. Spring.

JPN 2952 CAH-LANG 3(3,0)

JPN 3760 CAH-LANG 3(3,0)
Advanced Japanese Conversation: PR: JPN 1121C or, equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. Occasional.

JST 3005 CAH-JUD 3(3,0)

JST 3100 CAH-JUD 3(3,0)

JST 3120 CAH-JUD 3(3,0)

JST 3121 CAH-JUD 3(3,0)

JST 3125 CAH-JUD 3(3,0)

JST 3126 CAH-JUD 3(3,0)

JST 3144 CAH-JUD 3(3,0)
Dead Sea Scrolls: PR: Junior standing or C.I. The scrolls, their literature and historical context, and significance. Occasional.

JST 3190 CAH-JUD 3(3,0)
The Biblical Prophets: PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. Occasional.

JST 3210 CAH-JUD 3(3,0)
Kabbalah: Jewish Mysticism: PR: ENC 1102. Jewish mysticism from its roots in the pre-Toras 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 19th and 20th centuries. Occasional.

JST 3312H CAH-JUD 3(3,0)
Honors Jewish Identity and Genre: PR: ENC 1102 and consent of Honors. Literary genres in Jewish and Hebrew literature of the 18th and 19th centuries as related to the intellectual quest for Jewish identity and modernism. With Honors content. Occasional.

JST 3401 CAH-JUD 3(3,0)
Jewish People in Antiquity: PR: ENC 1102. History and culture of the Jewish people from the beginnings of Judaism in the bibilical era through the Greco-Roman and rabbinic periods. Fall.

JST 3402 CAH-JUD 3(3,0)

JST 3415 CAH-JUD 3(3,0)

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. Occasional.

JST 3450 CAH-JUD 3(3,0)
Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel. Occasional.

JST 3481 CAH-JUD 3(3,0)
20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Solovechik, within the historical context of European immigration to the U.S. Occasional.

JST 3550 CAH-JUD 3(3,0)
Introduction of Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). Occasional.

JST 3551 CAH-JUD 3(3,0)

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, N-tech and higher education. Occasional.

JST 3940. Special programs, strategies and materials for middle school reading programs, to assist pre-service teachers in the broader themes of Latin American history from an historical perspective. It will be presented through readings and discussion of selected materials. Occasional.

LAS 3101 CAH-LAS 3(3,0)

LAS 4021 CAH-AAAS 3(3,0)
African Caribbean Experience: PR: Junior standing or C.I. Interdisciplinary study of the evolution of African Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. Occasional.

LAT 1120C CAH-LANG 4(3,1)
Elementary Latin American Language and Civilization I: Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.

LAT 1121 CAH-LANG 4(4,1)
Elementary Latin Language and Civilization II: PR: LAT 1120C or equivalent. Continuation of LAT 1120C. Spring.

UOJ 2001 UGST-INTERDISC 2(2,0)
Foundations of Leadership: PR: Student enrolled in LEAD Scholars, Leadership Studies Minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. Fall.

UOJ 2002 UGST-INTERDISC 2(2,0)
LDR 2262 UGST-INTERDISC 1(0,1) Focused Volunteer Community Service: Students will engage in volunteer experiences and reflect upon the value of those experiences. Graded S/U. Fall, Spring.

LDR 3215 UGST-INTERDISC 2(2,0) Leadership Through Service: An Advanced Leadership Experience: PR: LDR 2001 and LDR 2002. An exploration of contemporary leadership roles and change will be explored, contemporary leadership theories and practices related to citizenship and civic engagement will be studied, and leadership will be practiced in various settings. Fall.

LDR 3950 UGST-INTERDISC 2(2,0) Leadership in Action: Capstone Experience for LEAD Scholars: PR: LDR 3215. Leadership issues and theories, including related principles and practices. Students will develop a professional portfolio, reflect on their course of study, practice public speaking, and articulate their leadership philosophy. Spring.

LIN 3010 CAH-ENG 3(3,0) Principles of Linguistics: PR: Grade of C (2.0) or better required or in ENC 1102. An overview of the modernist’s approach to language. Analytic methods on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 3673 CAH-WRITE 3(3,0) Grammar & Advanced Prose Style: PR: ENC 1102. Build on fundamental principles of grammatical correctness by learning and practicing the techniques that today's expert writers use to increase sentence clarity and elegance. Occasional.


LIN 3716 HPA-COM &SCD 3(3,0) Language Development: PR: CR: LIN 3713; CR: LIN 3716. Students will study language development from infancy to adulthood. Fall, Spring.


LIN 3717 HPA-COM &SCD 3(3,0) Language Development: 9 – 18 Years: PR: CR: LIN 3716. Study of the language acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 4105 CAH-ENG 3(3,0) History of the English Language: PR: Sophomore standing, and C (2.0) or better required or 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. Examines language and society, including the relationship of sociolinguistic variations to identity and culture. Occasional.

LIN 4615 CAH-ENG 3(3,0) African-American Styles of Communication: PR: Grade of C (2.0) or better required or 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., and C (2.0) or better required in ENC 1102. Styles of spoken, written, and nonverbal communication of selected cultural groups. Occasional.

LIN 4643H CAH-ENG 3(3,0) Honors Cross-Cultural Communication: PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors level content. Occasional.

LIN 4660 CAH-ENG 3(3,0) Linguistics and Literature: PR: Grade of C (2.0) or better required in LIN 3010 or C.I. Language study as an aid to understanding literature. Occasional.

LIN 4680 CAH-ENG 3(3,0) Modern English Composition: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.

LIN 4711 HPA-COM &SCD 3(3,0) Language Analysis: PR: CR: 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, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.

LIN 5173 CAH-ENG 3(3,0) Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG 3(3,0) English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2110 CAH-ENG 3(3,0) World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

LIT 2120 CAH-ENG 3(3,0) World Literature II: PR: ENC 1102. Readings from Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 3082 CAH-ENG 3(3,0) Continental European Fiction Since 1800: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3192 CAH-ENG 3(3,0) Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; in English. Occasional.

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; 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 3313 CAH-ENG 3(3,0) Science Fiction: PR: ENC 1102. An investigation of science fiction as a literary form, together with selected readings. Occasional.

LIT 3313H CAH-ENG 3(3,0) Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.

LIT 3368 CAH-ENG 3(3,0) Magical Realism in Literature: PR: Grade of “C” (2.0) or better in ENC 1102. Magical realism in literature, including consideration of its popularity, development, and treatment in various cultural contexts. Occasional.

LIT 3381 CAH-ENG 3(3,0) Women Writers of Color: PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

LIT 3383 CAH-ENG 3(3,0) Women in Literature: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG 3(3,0) Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS: Essays, short stories, plays, poetry, diaries, and novels will be covered. 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. Honors content. Occasional.

LIT 3437 CAH-ENG 3(3,0) International Environmental Justice Literature: PR: ENC 1102. Literary and creative works from different genres and international authors addressing issues and stories related to environmental justice themes, such as toxics and land use. Occasional.

LIT 3482 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. Occasional.

LIT 3482H CAH-ENG 3(3,0) Honors Literature & Popular Culture: PR: Consent of Honors. Analysis of media to determine popular values in the formation of popular cultural perceptions. With Honors Content. Occasional.

LIT 3605 CAH-ENG 3(3,0) Literature and War: PR: Grade of “C” (2.0) or better in ENC 1102. Varied representations of war in literature. Occasional.

LIT 3714 CAH-ENG 3(3,0) Literary Modernism: PR: ENC 1102. Examines a specific period, a literary movement, and a set of aesthetic/ formal practices applied to poetry, novels, essays, and manifestos. Occasional.

LIT 3823 CAH-ENG 3(3,0) Hispanic Women Writers: PR: ENC 1102. Hispanic women writers in a variety of genres. May be repeated for credit. Occasional.

LIT 3833 CAH-ENG 3(3,0) Modern Asian Literature: PR: ENC 1102. Asian literatures in different genres translated into English or written in English from the modern period. Various countries emphasized in different iterations. Occasional.

LIT 3834 CAH-ENG 3(3,0) Chinese Poetry in Translation: PR: Grade of “C” (2.0) or better in ENC 1102. C.I. Chinese poetry in English translation, either as a survey or with focus on particular periods, movements, or styles. Occasional.
MAC 1140C COS-MATH 3(1,4)
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, conics, induction, binomial theorem. Introduction to limits. Prepares students for upper level mathematics. The “NC” grading policy applies to this course. Fall, Spring.

MAC 1140H COS-MATH 3(3,0)
Honors Pre-Calculus Algebra: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a "C" (2.0) or better, 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 beginning algebra and good mathematical background. 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 and MAC 1114C with a "C" (2.0) or better, or C.I. Differential and integral calculus. Applications to engineering technology. Not open to students with credit in MAC 2233 or MAC 2311C. The “NC” grading policy applies to this course. Occasional.

MAC 2253 COS-MATH 3(3,0)
Applied Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1114C with a "C" (2.0) or better, or C.I. Analytic functions and complex numbers. The “NC” grading policy applies to this course. Fall, Spring.

MAC 2311C COS-MATH 4(3,2)
Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1114C with a grade of "C" (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and "C" (2.0) or better in MAC 1114 or MAC 1140C, or MAC 2147 or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. Not open to students with credit in MAC 2233 or MAC 2311C. The “NC” grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1114C with a grade of "C" (2.0) or better, or score of 3 or better on the Calculus AB Advanced Placement Exam, and consent of Honors. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. The “NC” grading policy applies to this course. With Honors content. Fall, Spring.

MAC 2312 COS-MATH 4(4,0)
Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, or C.I. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. Fall, Spring.
MAC 2312H  COS-MATH  4(4,0)
Calculus with Analytic Geometry II (Honors): PR: C- in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, 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 consent. Fall, Spring.

MAC 2313  COS-MATH  4(4,0)
Calculus with Analytic Geometry III: PR: Grade of “C” (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stoke’s Theorem. Fall, Spring.

MAC 2313H  COS-MATH  4(4,0)
Calculus with Analytic Geometry III (Honors): PR: Grade of “C” (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stoke’s Theorem. With Honors consent. Spring.

MAD 2104  COS-MATH  3(3,0)
Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, application to elementary discrete structure. Fall, Spring.

MAD 4203  COS-MATH  3(3,0)
Introduction to Combinatorics: PR: MAC 2212, and either MTH 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.

MAD 4301  COS-MATH  3(3,0)
Introduction to Graph Theory: PR: Either MTH 3302 or COT 3100C, or C.I. Graph theory; isomorphism; connectivity; traversability; matchings, factorizations; planarity, colorings, and Ramsey number. Spring.

MAD 454  COS-MATH  3(3,0)
Topics in Discrete Mathematics: PR: MAS 3106 and either MAD 4203 or MAD 4301, or C.I. Advanced topics in discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAD 5205  COS-MATH  3(3,0)
Combinatorics and Graph Theory II: PR: MAD 4203, graduate status or senior standing, or C.I. Polyà’s theory of counting; Latin squares and rectangles; block designs; counting; probabilistic methods; hypergraphs; applications. Odd Spring.

MAE 2801  ED-TL&L  4(3,1)
Elementary School Mathematics: PR: MAC 1105C or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAE 4300  ED-CFCS  3(3,0)

MAE 4326  ED-TL&L  3(3,0)
How Children Learn Mathematics: PR: MAE 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. Fall, Spring. M&S fee $10.00

MAE 4360  ED-TL&L  4(3,2)
Mathematics Instructional Analysis: PR: EDG 4302. A list of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.

MAE 4634  ED-TL&L  3(2,1)

MAE 5327  ED-TL&L  3(3,0)
Teaching Middle School Mathematics: PR: EDG 6236 or C.I. Students will develop skills in planning and delivering mathematics instruction in grades 5-8. The use of technology, cooperative learning, ESL, and manipulatives is considered. Occasional.

MAE 5336  ED-TL&L  3(3,0)
Current Methods in Secondary School Mathematics: PR: EDG 4323 or EDG 8236 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5935  COS-MATH  3(3,0)
Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 2021  BA-MAN  3(3,0)
Management: PR: Junior standing. For non-business majors only. Provides an interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025  BA-MAN  4(4,0)
Management of Organizations: PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025H  BA-MAN  4(4,0)
Honors Management of Organizations: PR: Junior standing and approved major or minor, permission of Honors. ECO 2013, ECO 2023 and ACG 2017. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior, and control. Applicable to honors students. Occasional.

MAN 3301  BA-MAN  3(3,0)
Management of Human Resources: PR: Junior standing and approved major or minor. MAN 3205. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applications and student field experience. Applicable to non-business majors. Fall, Spring.

MAN 3302  BA-MAN  3(3,0)

MAN 3354  BA-MAN  3(3,0)
Employee Training for Non-Business Majors: PR: MAN 3205. Employee training needs and practices 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)

MAN 4101  BA-MAN  3(3,0)
Human Relations in Management: PR: Management major, MAN 3205. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4240  BA-MAN  3(3,0)

MAN 4320  BA-MAN  3(3,0)
Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4330  BA-MAN  3(3,0)
Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of compensation and welfare programs in large and small organizations. Fall, Odd Spring.

MAN 4350  BA-MAN  3(3,0)
Training and Development: PR: Management major. MAN 3301. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4401  BA-MAN  3(3,0)
Labor Relations Management: PR: Management major, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieve labor-management cooperation. Occasional.

MAN 4441  BA-MAN  3(3,0)

MAN 4521  BA-MAN  3(3,0)
Production Planning and Control: PR: Management major, MAN 3205. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4583  BA-MAN  3(3,0)
Project Management: PR: GEB 3031 and MAN 3205. Foundations of project management in business organizations (large/small, manufacturing/service, for/ not for profit). Covers all project phases from initiation to termination. Occasional.

MAN 4600  BA-MAN  3(3,0)
International Management: PR: Approved major or minor, MAN 3205. The course is 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 3205. This course applies the ethics dimension to business decisions in today’s complex political, social, economic and technological environment. Fall, Spring.

MAN 4720  BA-MAN  4(4,0)
Strategic Management: PR: MAN 3205, MAR 3203, FIN 3405C 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 4802  BA-MAN  3(3,0)
Entrepreneurship: PR: GEB 3031 or (MAN 3205 and MAR 3203). Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing, financing and developing a new venture. 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. Hands-on management of organizations including planning, organizational theory, human behavior, and control. Fall, Spring.

MAN 5050 BA-MAN 2(2,0)

MAN 5867 BA-MAN 3(3,0)

MAP 2302 COS-MATH 3(3,0)
Ordinary Differential Equations I: PR: Grade of "C" (2.0) or better in MAC 2312, 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)
Differential Equations (Honors): PR: Grade of "C" (2.0) or better in MAC 2312, and permission of Honors. Solution methods for first order equations. Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines. Occasional.

MAP 3482H COS-MATH 3(3,0)

MAP 3923 COS-MATH 1(1,0)
Frontiers in Mathematical Research: Colloquia and Public Talks: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 4103 COS-MATH 3(3,0)

MAP 4113 COS-MATH 3(3,0)

MAP 4153 COS-MATH 3(3,0)
Vector Calculus; Tensor Analysis: PR: MAP 2313 and MAC 3105, or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 4171 COS-MATH 3(3,0)
Optimization: PR: MAC 2513, MAP 2302, and MAC 3105, or C.I. Linear programming, dynamic programming, control theory, integer programming. Occasional.

MAP 4303 COS-MATH 3(3,0)

MAP 4341 COS-MATH 3(3,0)

MAP 4371 COS-MATH 3(3,0)

MAP 4384 COS-MATH 3(3,0)

MAP 4484 COS-MATH 3(3,0)
Mathematical Biology I: PR: MAP 2302 and MAS 3105, or C.I. Mathematical models of single populations, predator-prey systems, competition between species, host-parasite systems, epidemics, genetics, excitable systems. Occasional.

MAP 4494 COS-MATH 3(3,0)
Mathematical Biology II: PR: MAP 4404. Mathematical models of persistence and stability of ecological communities; competition in special habitats; epidemics; immune system; optimal foraging; cancer modeling; phylogenetic modeling; genetics; protein folding. Occasional.

MAP 4924 COS-MATH 3(3,0)
Topics in Applied Mathematics: PR: MAP 2302 and MAS 3105, or C.I. Advanced topics in applied mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAP 5111 COS-MATH 3(3,0)
Mathematical Modeling: PR: STA 4321, MAP 4103, graduate standing or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; institutions for studying statistical and deterministic models. Even Fall.

MAP 5336 COS-MATH 3(3,0)

MAP 5426 COS-MATH 3(3,0)
Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence relations and orthogonal 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: PR: MAP 2302, and graduate standing or senior standing, or C.I. Equations of motion in incompressible and viscous fluids, energy equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. Occasional.

MAP 5931 COS-MATH 1(1,0)
Research Seminar: PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary background and presenting current results. Different branches of mathematics will be presented for a sense of diversity. Occasional.

MAR 3023 BA-MAR 4(4,0)
Marketing: PR: Admission to UCF. Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. Fall, Spring.

MAR 3023H BA-MAR 4(4,0)
Marketing - Honors: PR: Permission of Honors College. Introduces introductory courses in marketing topics including consumer orientation, segmentation, positioning, strategic marketing management, implementation, and control. Fall.

MAR 3203 BA-MAR 4(4,0)
Supply Chain and Operations Management: PR: Introduction to College of Business or completion of ECO 3401 or completion of ECO 3411 or completion of MAC 1104 or (C or higher) and STA 2043 or (C or higher). Advanced topics in managing and management of all activities involved in designing and managing the processes, assets, and flows of materials and information to meet customers' demands. Fall, Spring.

MAR 3203H BA-MAR 4(4,0)
Honors Supply Chain and Operations Management: PR: Consent of the Honors College. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information to meet customer's demands. Fall.

MAR 3323 BA-MAR 3(3,0)
Integrated Marketing Communication: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs. Fall, Spring.

MAR 3391 BA-MAR 3(3,0)
Professional Selling: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Written and verbal communication skills learned within the context of professional selling with honors content. Spring.

MAR 3403 BA-MAR 3(3,0)
Sales Force Management: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Fall, Spring.

MAR 3503 BA-MAR 3(3,0)
Consumer Behavior: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Consumer behavior impacting market decision making, building long-term customer relationships, segmentation of markets and positioning strategies. Fall, Spring.

MAR 3613 BA-MAR 3(3,0)
Marketing Analysis and Research: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. Fall, Spring.

MAR 3641 BA-MAR 3(3,0)
Marketing Intelligence: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. Fall, Spring.

MAR 3721 BA-MAR 3(3,0)
Technology Applications in Marketing: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of contemporary technology to marketing decision-making. Occasional.
Advanced Professional Selling: MAR 4415C BA-MAR 3(2,3) major or minor, and department consent. Advanced study of marketing principles, including team selling, negotiation, emphasis on specific sales situations, and the variables in international marketing decisions. Fall, Spring.

Mar 4413C BA-MAR 3(2,3) Strategic Issues in Sales-Lecture: PR: MAR 3023 and MAR 4415C each with a "C" (2.0) or better, approved major or minor, and Department Consent. Advanced study of selected contemporary strategic issues in selling and sales management. Spring.

Mar 4415C BA-MAR 3(2,3) Advanced Professional Selling: PR: MAR 3023 and MAR 3391 each with a "C" (2.0) or better, approved major or minor, and Department Consent. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. Fall.

Mar 4711 BA-MAR 3(3,0) Sport Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to the sports and leisure industry. Occasional.

Mar 4712 BA-MAR 3(3,0) Healthcare Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

Mar 4715 BA-MAR 3(3,0) Entertainment Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of marketing theory and tools to the marketing of products and services in the entertainment industry. Occasional.

Mar 4803 BA-MAR 3(3,0) Marketing Management: PR: MAR 3035 and MAR 3613 each with a "C" (2.0) or better. Planning, organizing, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.

Mar 4804 BA-MAR 3(3,0) Marketing Strategy: PR: MAR 4803 with a "C" (2.0) or better. Marketing problems are explored, with emphasis on strategy formulation and integrative marketing decision-making. Fall, Spring.

Mar 4841 BA-MAR 3(3,0) Services Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Examination of marketing in services industries, with particular emphasis on unique aspects of services marketing, the service marketing mix, and the implementation of services strategies. Fall, Spring.

Mar 4934 BA-MAR 3(3,0) Contemporary Marketing Topics in Florida: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate major or minor. Advanced study of marketing topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.

Mar 4941 BA-MAR 3(3,0) Marketing Internship: PR: Marketing major, permission of department chair. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. Fall, Spring.

MAS 3105 COS-MATH 4(4,0) Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrix 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.

MAS 3105H COS-MATH 4(4,0) Honors Matrix and Linear Algebra: PR: MAC 2312 and permission of Honors or C.I. Matrix determinants, vector spaces in R^n, 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: MIF 3302 and MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. Fall, Spring.

MAS 3201 COS-MATH 3(3,0) Introduction to Real Analysis: PR: MAC 2312 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: MIF 3302 and MAS 3106, or C.I. Sets and mappings, groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, groups actions, the classification theorem, Sylvow 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 Galois theory. Spring.

MAS 4394 COS-MATH 3(3,0) Topics in Algebra: PR: MAS 3106 and MAS 4301, or C.I. 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) Abstract Algebra with Applications: PR: MAS 4301 or undergraduate abstract algebra, and graduate status or senior standing or C.I. Group actions, the class equation, Sylvow Theorems, polynomial rings, Euclidian domains, principal ideal domains, field extensions, modules, and semi-simple rings. Fall.

MAT 1033C COS-MATH 3(1,4) Intermediate Algebra: Reinforcement and development of algebra skills. Operations with polynomial, rational expressions; radicals, rational exponents; linear and quadratic equations, linear inequalities, and applications. This course is a "bridge course" which may be applied towards a degree as elective credit. This course will not be count towards the G.E.P or Gordon Rule. Occasional.

MAT 3937 COS-MATH 1(1,0) Techniques of Problem Solving: PR: MAC 2311 and CR: MAC 2312; or C.I. Methods for solving problems in a wide variety of mathematical fields, with an emphasis on proper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. Fall.

MAT 5712 COS-MATH 3(3,0) Scientific Computing: PR: MAC 2313. MAP 3202, MAS 3105, or C.I. Matlab fundamentals, computer arithmetic, nonlinear equations, polynomial interpolation, divided differences, splines, curve fitting, least-squares method, numerical differentiation and integration. Even Fall.
UCF Courses and Descriptions
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MLS 4831C COM&M&M 4(4,8) Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4505, MLS 4505C. Advanced study of principles of immunohematology. Application and performance of technique to solve problems in blood banking will be included. Fall. M&S fee $15.00

MLS 4832C COM&M&M 4(4,8) Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 3300, MLS 4303. Advanced study of hematology and pathophysiological correlation to hematology disorders. Correlation of case studies and clinical practice in both student labs and clinical settings. Fall. M&S fee $15.00

MLS 4833C COM&M&M 4(4,8) Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4460C. Practical application of modern bacterial procedures with clinical specimens to include microbiology & virology and appropriate quality control. Clinical practice in both student lab and affiliate. Fall. M&S fee $15.00

MLS 4910 COM&M&M 1(1,0) Introduction to Clinical Research: PR: MLS 3202C, MLS 4625, MLS 4530. Introduces MLS students to different types of research within the clinical setting. Spring.


MMC 2004 COS-COMM 3(3,0) Mass Media: Introduction to the nation's mass media, including television, radio, magazines, newspapers, advertising, and public relations. Fall. Spring.

MMC 3200 COS-COMM 3(3,0) Communication Law: PR: One of the following: SPC 1608, SPC 1603, COM 1000, or C.I. Legal rights and responsibilities of the mass media. Fall, Spring.


MMC 3420 COS-COMM 3(3,0) Mass Media Research Methods: PR: R-TV or Ad-PR major 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.

MMC 3630 COS-COMM 3(3,0) Social Media as Mass Communication: PR: Either SPC 1608, SPC 1603, COM 1000, or C.I. Principles and practices of social media and its role in mass communication to audiences. Occasional.

MMC 4263 COS-COMM 3(3,0) New Media Technologies: PR: Majors only, RTV 3200. 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 Eastern, Occasional.

MMC 4411 COS-COMM 3(3,0) Ad-PR Campaigns: PR: Ad-PR majors only; ADV 3008 and PUR 4000 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. Spring, Fall, Summer.

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 the media's relationship with government. Spring.

MLS 1001C ECS-AROTC 2(1,1) Foundations of Officerhood: Examines the unique duties and responsibilities of officer candidates. Organization and role of the Army, reviews skills pertaining to fitness and communication, and analyzes Army values and expected behavior. May be repeated for credit. Fall.

MLS 1002C ECS-AROTC 2(1,1) Basic Leadership: Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. Spring.

MLS 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.

MLS 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.

MLS 3201C ECS-AROTC 4(3,1) Leadership and Problem Solving: PR: Junior standing. Examines skills that underlie effective problem solving; analyzes major military operations, and plan military operations; and executes squad battle drills. Fall, Spring.

MLS 3202C ECS-AROTC 4(3,1) Leadership and Ethics: PR: MLS 3201C. Probes leadership responsibilities that foster an ethical command climate; develops cadre leadership competencies; applies principles and techniques of effective written and oral communication. Spring.

MLS 4301C ECS-AROTC 4(3,1) Leadership and Management: PR: MLS 3202C. Discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, apply leadership and problem solving principles to a complex case study/simulation. Fall.

MLS 4302C ECS-AROTC 4(3,1) Officerhood: PR: MLS 4301C. Capstone course to explore topics relevant to second lieutenants entering the Army, describes legal aspects of officer selection and leadership; analyzes Army organization from tactical to strategic level. Spring.

MTG 4212 COS-MATH 4(4,0) Modern Geometries: PR: MAC 2311C and MHF 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 COS-MATH 3(3,0) Introduction to Differential Geometry: PR: MAC 2313 and MAS 3106, or C.I. Topics include curves and surfaces, differential manifolds, tangent space, differentials, curvature and torsion tensors, connections, covariant differentiation, Lie derivative, integration on manifolds, and Riemannian manifolds. Occasional.

MTG 4302 COS-MATH 3(3,0) Introduction to Topology: PR: MHF 3302 and MAS 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. Spring.

MTG 4303 COS-MATH 3(3,0) Topics in Topology and Geometry: PR: MHF 3302 and 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 4523 COS-MATH 3(3,0) Introduction to Differential Geometry: PR: MAC 2313 or equivalent or C.I. Curves and surfaces in 2D and 3D, covariant derivative of a vector field, geodesics, Gauss-Bonnet Theorem. Fall.

MTG 5256 COS-MATH 3(3,0) Differential Geometry: PR: MAA 4227, graduate standing or C.I. Advanced study of 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 1102 and MUL 2014 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 2104C and Music or Composition major. Continuation of Composition I. Composition 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 compositional majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4106C CAH-MUSIC 4(1,1) Composition IV: PR: MUC 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4950 CAH-MUSIC 0(0,0) Composition Recital: CR: MUC 4106C. Culumating public concert of works written while studying Composition I-IV. Grad S/U. Odd Fall.

MUC 5112 CAH-MUSIC 2(1,0) Composition V: PR: Graduate standing in music education or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times. Occasional.

MUC 5445 CAH-MUSIC 3(3,0) Electroacoustic Music Composition: PR: MUS 2360C and MUC 1101C, or C.I. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. Occasional.

MUE 2040 CAH-MUSIC 2(2,0) Introduction to Music Education: PR: None. An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. Fall.

MUE 2211 ED-CFCS 3(3,0) Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children. Occasional.

MUE 2346 CAH-MUSIC 1(0,2) Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.

MUE 2440 CAH-MUSIC 1(0,2) String Techniques: PR: 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: 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
UCF Courses and Descriptions

MUE 3210 ED-T&L 1(1,0) Music in the Elementary School: PR: EDF 2005; CR: ARE 431; HLP 4720; RED 4510; MUE 4326; and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. Fall, Spring.


MUE 3451 CAH-MUSIC 1(1,0) Woodwind Techniques II: PR: MUE 2450; MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 3641 CAH-MUSIC 1(1,1) Brass Techniques II: PR: MUE 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginners, middle, and high school level students. Odd Spring.

MUE 3693 CAH-MUSIC 2(2,0) Technology in Music Education: PR: MUE 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; EDF 4410; TSL 4000; ESP 4650 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 2040 or C.I. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4332 CAH-MUSIC 3(3,0) Secondary Instrumental Methods I: PR: MUE 2040. Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. Odd Spring.

MUE 4335 CAH-MUSIC 3(3,0) Secondary Choral Methods II: PR: MUE 4331. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.


MUE 4393 CAH-MUSIC 2(2,0) Music and Students with Special Needs: PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.


MUE 4441 CAH-MUSIC 3(3,0) String Methods: PR: MUE 4332. String teaching methods for high school students in a large classroom setting. Odd Spring.

MUE 4943 CAH-MUSIC 12(12,0) Music Internship II: PR: MUE 3942. Student Teaching in an elementary or secondary school under supervision of a certified teacher. Graded S/U. Fall, Spring.

MUE 5348C CAH-MUSIC 4(4,0) K-12 Music Methods: PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education, K-12. Instructional planning, techniques, and materials for general, choral, and instrumental music education. Spring.

MUE 5921 CAH-MUSIC 2(2,0) Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUG 3104 CAH-MUSIC 2(1,1) Basic Conducting: PR: MUI 1122 or C.I. Fundamental techniques and practice in conducting. Fall.


MUH 2017 CAH-MUSIC 3(3,0) Survey of Rock Music: Rise of rock music to prominence, and its impact on audience reception. No musical background required. Fall, Spring.


MUH 2019 CAH-MUSIC 3(3,0) American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. Fall, Spring.


MUH 2071C CAH-MUSIC 1(0,1) World Music Survey and Performance Laboratory: PR: MUI 1122 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. Occasional.

MUH 3211 CAH-MUSIC 3(3,0) Music History and Literature I: PR: MUL 2014 and MUI 1122. History of Western European art music from Antiquity to 1750. Fall, Spring.

MUH 3212 CAH-MUSIC 3(3,0) Music History and Literature II: PR: MUL 2014 and MUI 1122. History of Western European and American art music from 1750 to present day. Fall, Spring.

MUH 4218 CAH-MUSIC 1(1,0) Review of Music History: PR: C.I. A review of music history from Ancient Greece to the present. Occasional.

MUH 4322 CAH-MUSIC 3(3,0) Medieval and Renaissance Music: PR: MUI 3211 and MUH 3212 or C.I. 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: MUH 3211 and MUH 3212. Music and culture during the Baroque period, 1600-1750. Odd Fall.

MUH 4351 CAH-MUSIC 3(3,0) Eighteenth-Century Music: PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.

MUH 4361 CAH-MUSIC 3(3,0) Music of the 19th Century: PR: MUH 3211 and MUH 3212 with grades of “C,” 2.0, or higher in each. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC 3(3,0) Music Since 1900: PR: MUH 3211, MUH 3212, or C.I. Western art music since 1900. Odd Spring.

MUH 4814 CAH-MUSIC 3(3,0) Jazz Styles and Analysis: PR: MUL 3171 and MUL 2016, or C.I. Historical style periods and master artists in jazz music. Odd Spring.

MUH 5326 CAH-MUSIC 3(3,0) Medieval and Renaissance Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 450-1600. Occasional.

MUH 5345 CAH-MUSIC 3(3,0) Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Even Spring.

MUH 5356 CAH-MUSIC 3(3,0) Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. Occasional.

MUH 5365 CAH-MUSIC 3(3,0) Music of the 19th Century: PR: Graduate standing in Music or C.I. Western Art Music of the 19th Century. Odd Fall.

MUH 5375 CAH-MUSIC 3(3,0) Music Since 1900: PR: Graduate standing in Music Education or C.I. Music and culture of Western and American art Music from c. 1900 to the present. Occasional.

MUH 5665 CAH-MUSIC 3(3,0) 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 C.I. Advanced study of historical style periods and master artists in jazz music. Odd Fall.

MUL 2010 CAH-MUSIC 3(2,1) Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.

MUL 2014 CAH-MUSIC 3(3,0) Introduction to Music History and Literature: PR: Music major or C.I. Study of music and cultural development from the Greeks and Romans to the present. Fall, 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) Music of the World: Music in cross-cultural context. Relation of music to religion and society. Fall, 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) Piano Literature II: PR: MUL 3400. Continuation of Piano Literature I. Even Spring.


MUL 3602 CAH-MUSIC 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(0) String Literature and Pedagogy: PR: MUL 2014. Important literature written for string instruments, and basic concepts and techniques to teach string. Odd Spring.

MUL 4438 CAH-MUSIC 3(0) Guitar Literature and Pedagogy: PR: MUL 2014. Important literature written for guitar literature, history, and pedagogy from the Renaissance to the present. Odd Fall.

MUL 4443 CAH-MUSIC 3(0) Brass Literature and Pedagogy: PR: MUL 2014. Important literature written for brass instruments, and basic concepts and techniques to teach brass. Odd Spring.

MUL 4444 CAH-MUSIC 3(0) Woodwind Literature and Pedagogy: PR: Music major and MUL 2014. Important literature written for woodwind instruments, and basic concepts and techniques to teach woodwinds. Odd Spring.


MUL 5436 CAH-MUSIC 3(3) Guitar Literature and Pedagogy: PR: Graduate standing in Music or C.I. Survey of significant repertoire and pedagogy for classical guitar. Odd Spring.

MUL 5437 CAH-MUSIC 3(3) String Literature and Pedagogy: PR: Graduate standing in Music or C.I. Study of string literature from the Baroque period to the 20th century, along with prominent pedagogical principles. Odd Fall.

MUL 5447 CAH-MUSIC 3(3) Woodwind Literature and Pedagogy: PR: Graduate standing in Music or C.I. Major works written for woodwind instruments, as well as the study of the basic concepts and techniques fundamental to teaching woodwind instruments. Odd Spring.

MUL 5448 CAH-MUSIC 3(3) Brass Literature and Pedagogy: PR: Graduate standing in Music or C.I. Significant brass repertoire, study materials and a review of teaching techniques for artistic brass performance. Even Fall.

MUM 5806 CAH-MUSIC 3(0) Performing Arts Management: PR: Graduate status or senior standing or C.I. Structure of nonprofit performing arts organization (PAOs), examining the fundamental elements of administration, audience development, marketing, and fund-raising. Spring.

MUN 2442 CAH-MUSIC 1(1,0) Percussion/Mallet Ensemble: PR: C.I. Preparation and performance of music for percussion with mallets. May be repeated for credit. Fall, M&S fee $30.00

MUN 3113 CAH-MUSIC 2(0,8) Marching Band: PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit. Fall. M&S fee $36.54

MUN 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 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 3421 CAH-MUSIC 1(0,2) Woodwind Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3426 CAH-MUSIC 1(1,0) Saxophone Ensemble: PR: Students must pass an audition in front of the instructor. An in-depth study and performance of music written for an ensemble comprised of all saxophones. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $20.00

MUN 3427 CAH-MUSIC 1(1,0) Flute Ensemble: PR: Student must pass an audition in front of the instructor. Study and performance of music written for an ensemble comprised of all flutes. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $20.00

MUN 3431L CAH-MUSIC 1(0,2) Brass Quintet: PR: Audition and Consent of Instructor. Rehearsal and performance of music for brass quintet. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00

MUN 3433 CAH-MUSIC 1(0,2) Brass Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3437 CAH-MUSIC 1(1,0) Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. Occasional. M&S fee $20.00

MUN 3443 CAH-MUSIC 1(0,2) Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $35.00

MUN 3444 CAH-MUSIC 1(1,0) Mallet Ensemble: PR: C.I. Preparation and performance of music for mallets. 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 3713 CAH-MUSIC 1(0,4) Jazz Lab: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3714 CAH-MUSIC 1(0,2) 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 3813 CAH-MUSIC 1(1,1) Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 4476 CAH-MUSIC 1(0,2) Saxophone Ensemble: PR: Graduate standing in Music or C.I. Study and performance of music for small ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5125 CAH-MUSIC 1(0,3) Concert Band: PR: Open to all graduate students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5145 CAH-MUSIC 1(0,4) Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5215 CAH-MUSIC 1(0,5) Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5325 CAH-MUSIC 1(0,3) Women’s Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women’s voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5368L CAH-MUSIC 1(0,3) Graduate Madrigal Singers: PR: Graduate standing in Music Education and C.I. Study of varied literature for small vocal ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $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
MUS 4674 CAH-MUSIC 3(3,0)
Health and Wellness for the Performing Musician: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

MUT 4031 CAH-MUSIC 1(1,0)
Analysis of Twentieth-Century Music: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in composition. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MUT 5620 CAH-MUSIC 3(3,0)
Analysis of Twentieth Century Music: PR: Graduate standing in Music or C.I. and Senior standing. May be repeated for credit. Fall, Spring.

MUT 5936 CAH-MUSIC 3(3,0)
Music Theory Seminar: PR: Graduate standing in music education or C.I. Satisfactory placement tests in theory, sight-singing, and ear training. May be repeated for credit. Fall, Spring.

MVB 1211 CAH-MUSIC 1(1,0)

MVB 1214 CAH-MUSIC 1(1,0)

MVB 1215 CAH-MUSIC 1(1,0)
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. 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. May be repeated for credit. Fall, Spring.
Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVJ 1219 CAH-MUSIC 2(1,1)
Jazz Guitar I: PR: Music major or C.I. 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 2223 CAH-MUSIC 2(1,1)
Jazz Guitar II: PR: MVJ 1219. Continuation of MVJ 1219. Scales, 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 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 2225 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 advanced jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3233 CAH-MUSIC 3(1,1)
Jazz Guitar III: PR: MVJ 2223. Continuation of MVJ 2223. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3244 CAH-MUSIC 3(1,1)
Jazz Bass IV: 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 3330. Continuation of MVJ 3330. 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 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. 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. M&S fee $35.00

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. Music major, or C.I. Continuation of MVK 1111. Music majors only; not open to music majors whose major performing medium is piano. Fall, Spring.
MVK 1211 CAH-MUSIC 1(0,1)

MVK 1411 CAH-MUSIC 2(1,1)
Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 2121 CAH-MUSIC 1(0,2)
Class Piano III: PR: MVK 1112, Music major or C.I. Continuation of MVK 1112. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2122 CAH-MUSIC 1(0,2)
Class Piano IV: PR: Music major, MVK 2121 or C.I. Continuation of MVK 2121. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2421 CAH-MUSIC 2(1,1)
Pair I: 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. Continuation of 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, M&S fee $35.00

MVP 3431 CAH-MUSIC 2-3(1,1)
Percussion III: PR: MVP 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: MVP 3431 and competence determined by faculty jury. Intensive advanced performance study of percussion for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring, M&S fee $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: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1)
Viola II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC 2(1,1)
Cello II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC 2(1,1)
Bass II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring.

MVS 2425 CAH-MUSIC 2(1,1)
Harp II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.

MVS 2426 CAH-MUSIC 2(1,1)
Guitar II: PR: MVS 1416 and competence determined by faculty jury. Continuation of MVS 1416. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC 2-3(1,1)
Violin III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3432 CAH-MUSIC 2-3(1,1)
Viola III: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the viola, 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)
Violin IV: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the cello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC 2-3(1,1)
Bass IV: PR: MVS 2424 and competence determined by faculty jury. Continued study of performance skills of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC 2-3(1,1)
Harpsichord: 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 4346 CAH-MUSIC 4(1,1)
Guitar IV: PR: MVS 3436 and competence determined by faculty jury. Intensive advanced performance study of the guitar, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4441 CAH-MUSIC 4(1,1)
Violin IV: 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 4442 CAH-MUSIC 4(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 4443 CAH-MUSIC 4(1,1)
Cello IV: PR: MVS 3433 and competence determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4444 CAH-MUSIC 4(1,1)
Bass IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the string bass, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
Voice II: Fall, Spring. Intended for non-music majors. May be repeated for credit.

MVW 1213 CAH-MUSIC 1(0,1)

MVW 1214 CAH-MUSIC 1(0,1)

MVW 1215 CAH-MUSIC 1(0,1)

MVW 1411 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit.

MVW 1412 CAH-MUSIC 2(1,1)
Clarinet II: PR: Major in music or consent of chair; audition. May be repeated for credit.

MVW 1413 CAH-MUSIC 2(1,1)
Clarinet III: PR: Major in music or consent of chair; audition. May be repeated for credit.

MVW 1414 CAH-MUSIC 2(1,1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit.

MVW 1415 CAH-MUSIC 2(1,1)
Bassoon II: PR: Major in music or consent of chair; audition. May be repeated for credit.

MVW 2421 CAH-MUSIC 2(1,1)
Flute I: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit.

MVW 2422 CAH-MUSIC 2(1,1)
Flute II: PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit.

MVW 2423 CAH-MUSIC 2(1,1)
Clarinet II: PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit.

MVW 2424 CAH-MUSIC 2(1,1)
Bassoon II: PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit.

MVW 2425 CAH-MUSIC 2(1,1)
Saxophone II: PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit.

MVW 3431 CAH-MUSIC 2(3,1)
Flute III: PR: MVW 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.

MVW 3432 CAH-MUSIC 2(3,1)
Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continuation 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.

MVW 3433 CAH-MUSIC 2(3,1)
Bassoon III: PR: MVW 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.
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, and concurrent enrollment in NUR 3325, NUR 3325L, NUR 3125; NUR 3445; NUR 3445L. Principles of pharmacology and application to nursing practice. Fall.

NUR 3161   CON-NURS  3(3,0)  Nursing Research: PR: Admission to the BSN program; STA 2014C or 2023; for Basic program students: successful completion of the first semester; for RN to BSN students: NUR 3805 and RN status; NUR 3445L. Conceptual and methodological issues related to the research process for nursing practice. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. Fall.

NUR 3165H CON-NURS  3(3,0)  Honors Nursing Research: PR: Permission of honors program; admission to BSN and completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3315; NUR 3325; NUR 3125; NUR 3445; NUR 3445L. Psychoanalytic, existential, and sociocultural concepts and values in nursing practice and research with a focus on the research process. Fall, Spring.

NUR 3167  CON-NURS  1(2,0)  Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with successful completion of NUR 3805 and RN status; or C.I. NUR 3445L. Development of a plan for the research process and a critical review of the body of knowledge for nursing practice. Fall.

NUR 3225L CON-NURS  3(3,0)  Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3325; NUR 3125; NUR 3145; NUR 3445; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall, Spring.

NUR 3225L CON-NURS  2(0,6)  Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3325; NUR 3125; NUR 3145; 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 $45.00

NUR 3344 CON-NURS  3(3,0)  Nursing Care of Families: PR: Admission to BSN program; successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3325; NUR 3325L; NUR 3125; NUR 3145; NUR 3345L. 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 $45.00

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 3325; NUR 3125; NUR 3145; 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 $45.00
NUR 3755L CON-NURS  2(0,6) Essentials of Nursing Practice Clinical: PR: Admission to Program; CR: NUR 3028L and NUR 3032L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634 and NUR 3634L. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded S/U. Fall. M&S fee $45.00.


NUR 3805 CON-NURS  3(3.0) Dimensions of Professional Nursing Practice: PR: Nursing major; junior level or C.I.; ENC 1102. Theoretical principles of professional nursing practice for RN to BSN students. Fall, Spring.

NUR 3806 CON-NURS  1(1.0) Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. Spring.

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 with honors content. Fall, Spring.

NUR 3825H CON-NURS  2(2.0) The Role of the Professional Nurse Honors: PR: Admission to BSN program. Role and function of the professional nurse, including professional standards, legal, and practice issues with honors content. Fall.


NUR 3936 CON-NURS  3(2.2) International Perspectives of Nursing and Health Care: PR: Enrolled in School of Nursing or C.I. Comparison of 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: Explore lived experience of health-wellness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4197 CON-NURS  3(3.0) Genetics and Genomics in Nursing Practice: PR: NUR 3125, RN Licensure, or C.I. The application of genetics and genomic principles to clinical nursing practice. Occasional.

NUR 4227 CON-NURS  4(4.0) 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 health care settings with clients experiencing acute, unstable, 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 4268 CON-NURS  3(3.0) Gerontologic Nursing: PR: NUR 4268 or RN status or C.I. Theories and interventions related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4493 CON-NURS  3(3.0) Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN licensure, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.


NUR 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 4535L; Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

NUR 4535L CON-NURS  2(2.0) Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535; NUR 4227L; NUR 4227; and NUR 4535L. Application of mental health promotion, prevention, treatment and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4604L CON-NURS  3(3.0) Practicum in Community and Public Health Nursing: PR: Admission to BSN Program; CR: NUR 4537, NUR 4627, and NUR 4637. Synthesis of theories and concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting, and directed toward professional role development. Graded S/U. Fall, Spring.

NUR 4637 CON-NURS  2(2.0) Public Health Nursing: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum enrolled in NUR 4945L, Nursing Practicum; NUR 4637L; NUR 4257. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS  1(0,3) Public Health Nursing Clinical: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L; NUR 4637; NUR 4257. Clinical Course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4637 Public Health Nursing. Graded S/U. Fall, Spring.

NUR 4675 CON-NURS  3(3.0) Issues in Rural Health Care: PR: NUR 3065 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4676 CON-NURS  3(3.0) Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Occasional.

NUR 4675 CON-NURS  3(3.0) Rehabilitation Nursing: Principles and Practice: PR: admission to BSN 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.

NUR 4827 CON-NURS  3(3.0) Leadership and Management Principles: PR: NUR 3855, RN Status or C.I. Scientific theories and principles of leadership and management needed to function in leadership, management, and teaching roles in professional nursing. Application of decision making process. Fall, Spring.

NUR 4828 CON-NURS  3(3.0) Nursing Leadership, Management and Role Transition: PR: Admission to the R.N.-BSN program, and concurrent enrollment in NUR 4945L or NUR 4604L, or C.I. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on principles of leadership and management applied to health care settings. Fall, Spring.

NUR 4828H CON-NURS  3(3.0) Honors Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4829 CON-NURS  3(3.0) Accelerated Transitioning into Professional Practice: PR: or C.I. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4837 CON-NURS  3(3.0) Health Care Issues, Policy, and Economics: PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community. Fall, Spring.

NUR 4837H CON-NURS  3(3.0) Honors Health Care Issues, Policy, and Economics: PR: Permission of Honors. Admission to BSN program; completed first & second semester BSN curriculum course work; or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community with honors content. Occasional.

NUR 4906 CON-NURS  Variable Independent Study: Directed Study. Graded SU or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS  3(3.0) Directed Research/Research-Honors: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded SU or Letter grade. Occasional.


NUR 4945L CON-NURS  3(4.0) Nursing Practicum: PR: Admission to the BSN program; STA 2014C or 2023; for Basic program successful completion of the first three semesters; for RN to BSN students; NUR 3805 and RN status or C.I. Designed to enhance student's knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded SU or Spring.

NUR 4971H CON-NURS  1-3(1-3.0) Thesis or Project Works-Honors: PR: Permission of Honors. Faculty mentoring through the process of writing and defending the Honors Thesis or Project. May be taken the second time for 1-3 credit hours. May be used in the degree program a maximum of 2 times. Occasional.

OCE 3008 COS-BIOL  3(3.0) Oceanography: PR: CHM 2045C and CHM 2046, and a "C" (2.0) or better in BSC 2010C. Biological, physical and chemical oceanography. Occasional.

OSE 3490 OPT-OPT  3(3.0) Nanophotonics: PR: PHY 2049C or C.I. Optical processes on nanoscale and interactions with elements of physics & engineering. Occasional.

OSE 4052 OPT-OPT  3(3.0) Introduction to Photonics: PR: EEL 3470. Properties of light as rays, waves, fields, and photons. Introduction to optical devices, fibers, and lasers. Applications in imaging, signal processing, sensing, communications, and displays. Fall.
OSE 4470 OPT-OPT 3(3,0)  
Optical Fiber Communication Systems: PR: EEE 3302 and OSE 4002. Introduction to the principles and design of optical fiber communication systems including the optoelectronic devices used in transmitters and receivers. Spring.

OSE 4830 OPT-OPT 3(3,0)  
Introduction to Imaging Systems: PR: EEL 3120 or EEL 4412. An introduction to the two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic and hyperspectral systems. Remote sensing and biological and medical applications. Spring.

OSE 5041 OPT-OPT 3(3,0)  
Introduction to Wave Optics: PR: EEL 4440 or PHY 4424 or C.1. Electromagnetic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.

PAD 4034 HPA-PUB 3(3,0)  
The Administration of Public Policy: PR: ECO 2013 or ECO 2023. Some of the major concepts of public administration minor and Senior Standing. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interplay between social values, policies and administration. Fall, Spring.

PAD 4104 HPA-PUB 3(3,0)  
Administrative Theory: PR: Junior Standing or C.1. A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. Fall, Spring.

PAD 4131 HPA-PUB 3(3,0)  
Public Sector Project Management: Various approaches to managing projects, including using scheduling techniques such as GANTT, CPM, and PERT, as well as team building, facilitating, and leadership skills. Occasional.

PAD 4144 HPA-PUB 3(3,0)  
Non-Profit Organizations: PR: Junior standing and have declared Non-Profit Minor or Certificate or C.1. The operations of non profit organizations, including working with board of directors, volunteer services, fund raising and grantmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB 3(3,0)  
Resource Development in the Nonprofit Sector: PR: Junior status and have declared Non-Profit Minor or Certificate or C.1. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-PUB 3(3,0)  
Volunteer Management: PR: Junior status and have declared Non-Profit Minor or Certificate or C.1. Examination of the recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. Spring.

PAD 4153 HPA-PUB 3(3,0)  
Planning and Improvement for Public Organizations: PR: Junior Standing or C.1. Prepare future leaders for the changing paradigms of the public sector by providing education in a variety of quality related areas. Fall.

PAD 4204 HPA-PUB 3(3,0)  
Fiscal Management: PR: C.1. Analysis of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. Fall, Spring.

PAD 4223 HPA-PUB 3(3,0)  

PAD 4253 HPA-PUB 3(3,0)  
Community & Economic Development: PR: PAD 3003 or C.1. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. Fall.

PAD 4325 HPA-PUB 3(3,0)  
Program Evaluation for Public and Non-Profit Organizations: PR: Junior standing and (declared nonprofit minor or declared nonprofit certificate or Public Administration major) or C.1. 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 Environmental Policy: PR: PAD 3330 or C.1. The study of land use and planning to include zoning variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. Fall.

PAD 4334 HPA-PUB 3(3,0)  
Urban Design: CR: PAD 3330 or C.1. Theories and concepts of the physical, cultural, social, and financial factors associated with urban design. Spring.

PAD 4351 HPA-PUB 3(3,0)  
Issues in Environmental Program Management: CR: PAD 3330. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4371 HPA-PUB 3(3,0)  
Community Resiliency & Sustainability: PR: (ECON 2412 & Sophomore Standing) or C.1. Issues of community resiliency & sustainability specific to emergency & crisis management. Includes coverage of public policy & administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4390 HPA-PUB 3(3,0)  
Hazard Mitigation and Preparedness: PR: (Junior standing and a declared EMHS minor) or C.1. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. Fall.

PAD 4392 HPA-PUB 3(3,0)  
Emergency Management and Homeland Security: PR: (Junior Standing and a declared EMHS minor) or C.1. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services. Fall.

PAD 4395 HPA-PUB 3(3,0)  
Disaster Response and Recovery: PR: Junior Standing and a declared EMHS minor or C.1. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and complex dynamics of the recovery process are emphasized. Spring.

PAD 4411 HPA-PUB 3(3,0)  
Public Personnel Administration: The historical operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. Fall, Spring.

PAD 4446 HPA-PUB 3(3,0)  
Multiculturalism in Public Administration: PR: Junior Standing or C.1. 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 4510 HPA-PUB 3(3,0)  
Privatization: PR: PAD 3330 or C.1. Analysis of the processes of privatizing existing governmental services, including: privatization decision, creation of RFP or ITB, contract award and contract management. Occasional.

PAD 4712 HPA-PUB 3(3,0)  
Information Systems for Public Managers and Planners: PR: PAD 3330 or C.1. Knowledge and skills concerning information technologies important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 4720 HPA-PUB 3(3,0)  
Survey Research in Public Administration: Introduction to the concepts, design, methodology, computer applications, and data analysis in applied research in the public sector. Fall, Spring.

PAD 4803 HPA-PUB 3(3,0)  
Issues in Urban Administration: CR: PAD 3330 or C.1. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4822 HPA-PUB 3(3,0)  
Intergovernmental Administration: Various approaches to studying and explaining the American Intergovernmental system, emphasizing on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall.

PAD 4941 HPA-PUB 3-6(0.6)  
Public Administration Internship: PR: Junior Standing and Public Administration major. Internship in municipal, county, state, or federal government, or in political campaigns and assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded SU. Occasional.
UCF Courses and Descriptions

PAD 4948 HPA-PUB 3(0,20) Nonprofit Management Internship: PR: Junior standing, and enrollment in the public sector, Public service, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 5041 HPA-PUB 3(3,0) Ethics and Values in Public Administration: Examination of ethical principles in public sector, Public concern, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 5060 HPA-PUB 3(3,0) Administrative Practice in the Public Sector: The application of various theoretical concepts to the "real world" of public administration. Policy formulation and execution are examined through the case study mode. Occasional.

PAD 5145 HPA-PUB 3(3,0) Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree, Nonprofit Certificate or C.I. Volunteering in nonprofit organizations, including board selection, development and leadership, volunteer recruitment, training, retraining, and theories of motivation, leadership, ethical issues. Fall, Spring.

PAD 5146 HPA-PUB 3(3,0) Nonprofit Resource Development: PR: Admission to master of Nonprofit Management degree, Nonprofit Certificate or C.I. Examines human resource development and financial resource development in nonprofit organizations including management issues. Fall, Spring.

PAD 5336 HPA-PUB 3(3,0) Introduction to Urban Planning: Issues of urbanization, regional development, land use and comprehensive planning, environmental planning, and social planning. Fall.

PAD 5337 HPA-PUB 3(3,0) Urban Design: Planning techniques such as planned unit developments, capital improvements planning, and growth management, and planning methods, including needs assessment and graphic design. Fall.

PAD 5338 HPA-PUB 3(3,0) Land Use and Planning Law: Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. Spring.

PAD 5356 HPA-PUB 3(3,0) Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.

PAD 5425 HPA-PUB 3(3,0) Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5427 HPA-PUB 3(3,0) Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiation, and the collective bargaining process. Occasional.

PAD 5807 HPA-PUB 3(3,0) Local Government Operations: Operational Functions of the county and county governments and the role of the chief executive officer. Occasional.

PAD 5850 HPA-PUB 3(3,0) Grant and Contract Management: PR: Admission to the Master of Nonprofit Management degree, Nonprofit certificate or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PAB 2102 HPA-HPA 2(2,0) Public Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.


PAB 4754 HPA-PUB AFF 3(3,0) Interdisciplinary Leadership in Public Affairs: PR: Junior Standing and ENC 1101 or C.I. Global public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partnerships, and social change. Occasional.

PAB 4234 COS-BIOL 3(3,0) Zoo and Aquarium Management: PR: A "C" (2.0) or better in PCB 3044 and PCB 3063, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PAB 5235 COS-BIOL 3(3,0) Zoo and Aquarium Biology Management: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PCB 3023 COS-BIOL 3(3,0) Molecular Cell Biology: PR: CHM 2210 and a "C" (2.0) or better in both BSC 2010C and PCB 3063, or C.I. Structure and function of eukaryotic cells including bioenergetics, protein structure and function, chromosome structure, DNA repair and recombination, membrane structure and transport, intracellular vesicle trafficking, cell signaling, apoptosis and cell cycle control and organization and functions of the cytoskeleton and extracellular matrix. Fall, Spring.

PCB 3044 COS-BIOL 3(3,0) Principles of Ecology: PR: CHM 2045C or CHM 2041, and a "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Sensitivity of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development. Fall.

PCB 3044L COS-BIOL 1(0,3) Principles of Ecology Laboratory: PR: or CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall.

PCB 3063 COS-BIOL 3(3,0) Genetics: PR: CHM 2046 and a "C" (2.0) or better in BSC 2010C, or C.I. Basic principles of heredity as applied to prokaryotes and eukaryotes. Fall, Spring.

PCB 3063H COS-BIOL 3(3,0) Honors Genetics: PR: CHM 2046 and a "C" (2.0) or better in BSC 2010C, or C.I. Consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes. Honors level content. Occasional.

PCB 3063L COS-BIOL 1(0,3) Genetics Laboratory: PR: or CR: PCB 3063 or C.I. Introduction to laboratory techniques of genetics. Fall, Spring. M&S fee $28.00

PCB 3233 COM-M&M 3(3,0) Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunity, and immune therapy. Fall.

PCB 3233L COM-M&M 1(0,3) Immunology Laboratory: CR: PCB 3233. Introduction to laboratory techniques in immunology. Fall, Spring. M&S fee $45.00

PCB 3343L COS-BIOL 2-5(0,6-15) Principles of Field Ecology: PR: BSC 2010C, PCB 3044, or C.I. Applied study of biodiversity, ecology and conservation through field trips, field research and/or lectures. Emphasis and location varies by instructor. May be repeated for credit only when course content is different. Occasional.

PCB 3353 COS-BIOL 3(3,0) Tropical Ecology and Conservation: PR: PCB 3044 with a grade of "C" (2.0) or better, or C.I. Geography, ecology, and environmental problems encountered in various tropical ecosystems with particular emphasis towards terrestrial systems in tropical rainforests. Occasional.

PCB 3355C COS-BIOL 2(1,1) Tropical Marine Biology: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Intensive, one week field course at an institute of marine science. Diving/snorkeling will be used extensively to study organisms on pristine coral reefs. Occasional.


PCB 3522 COM-M&M 3(3,0) Molecular Biology I: PR: CHM 2111 and MCB 3025C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Fall, Spring.

PCB 3703C COM-M&M 4(3,3) Human Physiology: PR: BSC 2010C, CHM 1103 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. Fall, Spring. M&S fee $70.00


PCB 4028 COM-M&M 3(3,0) Molecular and Cellular Pharmacology: PR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.


PCB 4264 COM-M&M 3(3,0) Stem Cell Biology: PR: PCB 3522 or PCB 3023. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.

PCB 4280 COM-M&M 3(3,0) Molecular Immunology: PR: PCB 3522. Advanced understanding of the workings of the immune system, correlating cellular and molecular mechanisms with clinical cases. Spring.

PCB 4353 COS-BIOL 3(3,0) Florida Natural History: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2110, or C.I. Florida's ecology, past and present flora and fauna, and naturalists who visited the state. Occasional.

PCB 4514 COS-BIOL 3(3,0) Genetics II: PR: A minimum grade of "B" (3.0) in PCB 3063, or C.I. Advanced topics in genetics and epigenetics including genome organization, gene regulation, chromosome mutation, developmental genetics and the effect of environment on phenotype. Even Fall.
Tissue Engineering: PR: PCB 3020C or CHM 2045C. Engineering aspects, a special emphasis on the current status of the field, on novel methods and on cell-biomaterial interactions. Occasional.

Molecular Biology II: PR: PCB 3522. The processes regulating gene function in procaryotes and eucaryotes; special emphasis on transcription, regulation, and bioinformatics tools and resources on sequence analysis. Fall.

Experimental Molecular Biology: PR: PCB 3522. FACILITATION of experimental data that leads to the development and understanding of the underlying principles of molecular biology. Spring.

Human Genetics: PR: PCB 3522 or PCB 3023. Topics include the principles of genetics as applied in humans, human hereditary disorders, and the impact of genetics and technology on medicine and medical practices. Spring.

Evolution and Medicine: PR: A "B" (3.0) or better in PCB 4863, or C.I. Evolutionary theory and perspectives to investigate problems in human health and disease. Odd Fall.

Evolutionary Biology: PR: A grade of "C" (2.0) or better in PCB 3044 and PCB 3063, or C.I. Demographic and genetic structure of populations and their relationship to specialization, adaptation, and macroevolutionary processes in plants and animals. Fall. Spring.

Population Genetics: PR: A "C" (2.0) or better in both PCB 3063 and PCB 4863, or C.I. Field of population genetics and the study of the various forces that result in evolutionary changes through time. Even Spring.

Laboratory Virtual Simulations in Physiology: CR: PCB 4863C. Conduct experiments in physiology that enhance the ability to design, collect, analyze, and report results in scientific manner. Fall.

Animal Physiology: PR: A "C" (2.0) or better in PCB 3023, or C.I. Functions of body processes occurring in animals, with emphasis on vertebrate physiology. Fall.

Comparative Endocrinology: PR: A "C" (2.0) or better in both PCB 3023 and PCB 3044, or C.I. Endocrine hormonal regulation of an animal's physiological responses to environmental changes. Occasional.

Endocrinology: PR: PCB 3522 or PCB 4863C. Advanced topics of physiological processes at the cellular, molecular and system levels. Spring.

Advanced Human Physiology: PR: PCB 3522, PCB 3018, ZOO 3733C. Advanced topics of physiological processes at the cellular, molecular and system levels. Fall.

Molecular 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.

Biocatalysis: 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; control of ecosystems, populations, exploited species, and endangered species. Fall. M&S fee $15.00

Molecular Immunology: PR: PCB 3522 or equivalent. Fundamental functions of the human immune system, focusing on cellular and molecular aspects of the innate and adaptive immune response. Spring.


Immunobiology: PR: PCB 4820. Advanced topics in immune system dysregulation with special emphasis on innate immunity. Spring.

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.

Signal Transduction Mechanics: PR: PCB 3522 and PCB 4524. Course emphasizing various signal transduction cascades used in mammalian cells to control growth and differentiation. Discussion of original research papers will occur. Occasional.

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 in terms of biogeography, geology, climate, energetics, nutrient cycling, community structure and conservation. Occasional. M&S fee $15.00

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 manipulation and readings from primary literature. Odd Spring. M&S fee $45.00

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 of both a theoretical and managerial nature. Occasional. M&S fee $15.00

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.

Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.
PEL 2341 ED-CFCS 2(1,1)
Beginning Tennis: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2342 ED-CFCS 2(1,1)
Intermediate Tennis: PR: PEL 2341 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2640 ED-CFCS 2(1,1)
Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, strategies. Occasional.

PEM 2101 ED-CFCS 2(1,1)
Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEM 2104 ED-CFCS 3(2,1)
Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level well-being. Fall, Spring.

PEM 2121C ED-CFCS 3(1,3)
Yoga: Performance and application of a series of basic movement, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focused and centered. Fall, Spring.

PEM 2127C ED-CFCS 2(1,1)
Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional.

PEM 2131 ED-CFCS 2(1,1)
Strength Resistance Training: Study of fitness and stress development through resistance exercise. Fall, Spring.

PEM 2134C ED-CFCS 2(1,1)
Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional.

PEM 2171 ED-CFCS 2(1,1)
Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. Fall, Spring.

PEM 2173 ED-CFCS 2(1,1)
Step Aerobics: Appropriate rhythmic muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.

PEM 2175 ED-CFCS 2(1,1)
Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

PEM 2176C ED-CFCS 2(1,1)

PEM 2179C ED-CFCS 2(1,1)
Boot Camp Fitness: Study and application of aerobic and anaerobic physical fitness activities to improve core strength, posture, breath control, body alignment and flexibility. Occasional.

PEM 2405 ED-CFCS 3(1,2)
Self Defense for Women and Men: Designed to provide students with self-defense skills. Fall, Spring.

PEM 5080C ED-CFCS 3(2,1)
Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. Occasional.

PEO 2011 ED-CFCS 3(2,1)
Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring.

PEO 2031 ED-CFCS 3(2,1)
Individual Sports: Skill proficiency and knowledge to plan, implement, and evaluate individual sports. Fall, Spring.

PEO 2623C ED-CFCS 2(1,1)
Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.

PEO 3041 ED-CFCS 3(3,0)
Games Analysis: PR: Admission to the College of Education or C.I. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Fall, Spring.

PEO 3219 ED-CFCS 3(2,0)

PEO 3324 ED-CFCS 3(2,1)
Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

PEO 3514C ED-CFCS 3(2,1)
Coaching Soccer: PR: Admission to the Sport and Exercise Science program/minors or C.I. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

PEO 3624 ED-CFCS 3(3,0)
Coaching Basketball: PR: Admission to the Sport and Exercise Science program/minors or C.I. Theory and methods of coaching baseball, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

PEO 3644 ED-CFCS 3(2,1)

PEO 5645C ED-CFCS 3(2,1)

PET 2081 ED-CFCS 3(1,0)
Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

PET 3005 ED-CFCS 3(3,0)
Introduction to Sport and Exercise Science: PR: BSC 2010C. An introduction to sport and exercise science with emphasis in fitness, recreation, physical and human performance. Fall, Spring.

PET 3087 ED-CFCS 3(3,0)

PET 3125 ED-CFCS 3(3,0)
Fitness and Weight Management: PR: Admission to Sport and Fitness Program, ZOO 3736C, PET 4215, PET 4550C (all required); or C.I. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Fall, Spring.

PET 3137 ED-CFCS 3(3,0)
Concepts and Practices in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or C.I. Examination of experiences in Sport and Exercise Science program: concepts, practices, and science. Fall, Spring.

PET 3344C ED-CFCS 3(2,1)

PET 3361 ED-CFCS 3(3,0)
Nutrition and Metabolism in Sport and Exercise Science: PR: PET 3005, BSC 2101C. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, metabolism, and athletic performance in sport and exercise sciences. Fall, Spring.

PET 3510C HPA-HP 3(2,1)
Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track, Exercise physiology, drugs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall.

PET 3765 ED-CFCS 3(3,0)
Coaching Theory: PR: Admitted to COE or C.I. Theories of coaching team and individual sports. Fall, Spring.

PET 3768 ED-CFCS 3(3,0)
Group Exercise Instruction: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4550C, PET 4312C (all required); or C.I. An in-depth study into group exercise instruction and fitness related concepts. Fall, Spring.

PET 3771 ED-CFCS 3(3,0)
Strength and Conditioning Concepts: PR: ZOO 3736C or C.I. Integration of advanced components of muscular strength training and endurance conditioning for the sport and exercise professional. Fall, Spring.

PET 3820 ED-CFCS 3(3,0)
Teaching Sports Skills I: PR: Admission to the College of Education or C.I. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education arms. Fall, Spring.

PET 3940 ED-CFCS 3(3,0)
Internship I Physical Education: PR: EDG 4325; CR: PET 3930. Student teaching in a physical education program under the supervision of a certified classroom teacher. Occasional.

PET 4002 ED-CFCS 3(1,2)
Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the “adventure activity curriculum,” camping, water activities, fishing, orienteering, hiking, Occasional.

PET 4050C ED-CFCS 3(2,1)
Movement and Learning: PR: PE Junior standing. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. Fall, Spring.

PET 4083 ED-CFCS 3(3,0)
Personal Training Methods: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4550C, PET 4312C (all required); or C.I. An in-depth study into personal training and fitness related concepts. Spring.

PET 4088 ED-CFCS 3(3,0)
Physical Activity & Preventive Medicine: PR: ZOO 3736C or C.I. Critique and analysis of evidence that exercise training can prevent some diseases and increase quality of life. Occasional.

PET 4143 ED-CFCS 3(3,0)
Current Issues & Trends in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science undergraduate program or C.I. Examination of the current issues and trends encountered by professionals in sport and exercise science. Fall, Spring.

PET 4215 ED-CFCS 3(3,0)
Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and the exploration of techniques to enhance athlete performance. Fall, Spring.

Biomechanics of Sport: PR: PHY 2053C or PHY 2048C & L. Assessment and recognition of physiological and mechanical aspects of sports and injuries. Spring.

Exercise Physiology: PR: PET 3005, BSC 2010C, & ZOO 3736C. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to sport and exercise science. Fall, Spring.

Adoption and Evaluation in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. Addressing administrative, measurement and evaluation aspects of Sport and Fitness programs. Fall, Spring.

Assessment and Evaluation in Exercise Science: PR: PET 4351C. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Fall, Spring.

Exercise Prescription: Special Populations: BSC 2010C and PET 4351C. Students integrate knowledge of exercise science, physiology, and fitness conditioning to develop exercise for populations dealing with aging, chronic or acute illness, obesity, heart disease, and pregnancy. Fall, Spring.

Applied Fitness in Sport: ZOO 3735C or ZOO 3796C and PCB 3705C. Junior standing. Open to all COHPA majors. Application and clinical application of fitness related to athletics. Spring.

Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

Methods for Physical Activity for Children and Adolescents: PR: Admission to the College of Education and/or Sport and Exercise Science program, or C.I. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for physical activity in children and adolescents. Fall, Spring.

Coaching Methods and Principles: PR: Junior standing. Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods/coaching strategies with emphasis, given to conditioning and leadership styles. Occasional.

Teaching Sports Skills II: PR: PET 3820. Skill proficiency and knowledge to plan, implement and evaluate sports skills. Odd Fall, Even Spring.

Capstone in Sport and Exercise Science: PR: Overall GPA of 2.5 and completion of 1/3 of the Sport and Fitness program requirements. Field experience in a sport and fitness related organization. Graded S/U. Spring.

Sport and Fitness Practicum I: PR: Overall GPA of 2.5, Senior status in Sport and Exercise Science program and C.I. Field experience in a sport and exercise science organization, association, or business. Graded S/U. Fall, Spring.

Teaching Sports Skills I: PR: Must have completed course work in specialization, satisfactory completion of the program. Full time student teaching under a certified elementary or secondary physical education teacher. Graded S/U. May be repeated for credit. Occasional.

Motivational Aspects of Coaching: PR: Graduate standing or C.I. Individuals to understand and conceptually integrate mental and physical performance, mental rehearsal, motivation, effort, persistence, adherence and compliance, measures of performance, and evaluation, and other related topics of interest. Occasional.

Exercise and Health: PR: Admission to master's program or certificate program. Will provide educators an in-depth understanding of energy pathways, and neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. Occasional.

Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching and sport leadership in self-evaluating, examining, and developing philosophy, values, and moral reasoning skills. Occasional.


Current Issues and Trends in Physical Education and Sport: PR: Admission to the Physical Education graduate program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. Occasional.

Beginning Photography: PR: ART 2201C, ART 2300C, or C.I. Introduction to photography with an emphasis. Fall. M&S fee $45.00.

Contemporary Photography: PR: PGY 2401C or C.I. Late 20th and 21st century (1970's-present) contemporary movements in photography, special emphasis on ideas and issues relative to contemporary image making. Occasional.

Photographic Lighting Techniques: PR: PGY 2107, PGY 2215 or C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&S fee $45.00.

The Professional Environment: PR: PGY 3002 or C.I. Concepts necessary for operation of a photography studio. Includes legal, ethical issues; marketing; self-promotion strategies; funding opportunities; professional development, and promotion and presentation. Occasional.


Narrative Editorial Photography: PR: PGY 2655 Editorial Photography or C.I. Explores photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. Fall. M&S fee $45.00.

Advanced Digital Photography: PR: PGY 3651C. Exploration of imagery created to illustrate articles, including still-life, portrait, documentary, and fashion photography. Emphasis on the creation of multiple or consecutive images. Spring. M&S fee $45.00.


Advanced Editorial Photography: PR: PGY 3654C or C.I. Advanced issues in digital imaging, emphasis on professional output solutions for the photographer such as web as an interface, large format printing, and film recorder. Occasional. M&S fee $45.00.

Image, Culture, and Society: PR: PGY 3002 or C.I. The role of the media and media imagery in culture and society. Occasional.

Advanced Illustrative Photography: PR: PGY 3205C or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. Occasional. M&S fee $45.00.

Professional Photographic Workshop: PR: PGY 3205C. Creative, logical, and technical processes as related to a variety of special lighting problems in the photographic studio and on location. Occasional. M&S fee $45.00.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2011</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophical Reasoning: A study of reasoning in philosophy, the role of consistency, infinity, regress, arguments, modeling, and system building, discovery procedures, diagonalization, and contract and paradigm case arguments. Occasional.</td>
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<tr>
<td>PHI 2101</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Formal Logic I: A study of sentence and predicate logic, with introduction to modal, anamorphic, dialectic, multi-valued, and indeterminant logics. Occasional.</td>
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<tr>
<td>PHI 2108</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.</td>
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<tr>
<td>PHI 2630</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Ethics: An examination of the nature of moral problems, judgments and principles, with an emphasis on recent formulations in ethical theory. Occasional.</td>
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<tr>
<td>PHI 2647</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Logic and Ethic: PHI 2011 or COT 2100C or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling to study philosophical problems in ethics. Occasional.</td>
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<tr>
<td>PHI 3033</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy, Religion, and the Environment: PR: Junior standing or C.I. A multicultural treatment of the influence of philosophical and religious views on our understanding of, and relation to, the environment. Occasional.</td>
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<tr>
<td>PHI 3083</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Research Methods in Philosophy: PR: Philosophy or Humanities major or C.I. Sources, methods, and styles of research in Philosophy. Aimed at enhancing the research, reading, and writing skills of undergraduate philosophy students. Odd Fall.</td>
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<tr>
<td>PHI 3131</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Formal Logic II: PR: PHI 2101. Systematic study of propositional and first-order predicate logic; logicistic systems and axiomatic methods; problems of metatheory, including consistency, completeness, and decidability. Occasional.</td>
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<tr>
<td>PHI 3320</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy of Mind: PR: PHI 2010, PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personhood, and the relation of psychology to neurobiology. Occasional.</td>
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<tr>
<td>PHI 3451</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy of Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological movements plus other philosophically interesting issues. Occasional.</td>
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<tr>
<td>PHI 3601</td>
<td>CAH-PHIL 1(1,0)</td>
<td>Practical Wisdom: PR: Junior standing or PHI 2010 or C.I. Course in applied ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. Occasional.</td>
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<tr>
<td>PHI 3625</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Virtual Ethics: PR: COT 2100C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.</td>
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<tr>
<td>PHI 3626</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Advanced Ethics in Science and Technology: PR: COT 2100C or DIG 2000 or C.I. Ethics of virtual worlds as contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. Occasional.</td>
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<tr>
<td>PHI 3629</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Family Values: PR: PHI 2010, PHI 2630, PHI 3670, or WST 3015. Applied ethics examining legal, religious, and other cultural prescriptions related to sexuality, marriage, reproduction, child-rearing and other forms of familial relationship and caregiving. Even Spring.</td>
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<tr>
<td>PHI 3638</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Ethical issues in the 21st Century: PR: PHI 2010 or C.I. Applications of ethical theory and moral problem-solving to contemporary issues. Occasional.</td>
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<tr>
<td>PHI 3640</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.</td>
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<tr>
<td>PHI 3670</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary topics in ethics, including value theory, utilitarian, deontological, virtue-based and feminist approaches to ethics, rights, and justice; some examination of metaethical issues. Even Spring.</td>
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<tr>
<td>PHI 3672</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Animal Ethics: PR: PHI 2010 or C.I. Key issues and debates in the area of animal ethics, including both theoretical and applied dimensions. Occasional.</td>
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<tr>
<td>PHI 3684</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of “the good life.” Occasional.</td>
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<tr>
<td>PHI 3700</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy of Religion: PR: REL 2300 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. Odd Spring.</td>
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<tr>
<td>PHI 3720</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Faith and Reason: PR: REL 2300 or PHI 2010 or C.I. Emergence of two discrete ways of knowing: Faith and Reason. Occasional.</td>
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<tr>
<td>PHI 3790</td>
<td>CAH-PHIL 3(3,0)</td>
<td>African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophica thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. Occasional.</td>
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<tr>
<td>PHI 3803</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy and Creativity: PR: Junior standing or PHI 2010 or C.I. A companion course to PHI 3800, Aesthetics. Examines the empathetic and metaphysical claims made for creativity; attempts to account for intuition, genius, and intelligence. Occasional.</td>
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<tr>
<td>PHI 4221</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. Spring.</td>
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<tr>
<td>PHI 4300</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, skepticism, criteria for truth and justification for belief. Occasional.</td>
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<tr>
<td>PHI 4321</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophies of Embodiment: Mind/Body/Self: PR: Junior standing and either PHI 2010, PHI 2111, PHI 2105, or C.I. Different ways of understanding relations between mind, body, and nature. Self-knowledge as articulated by western and non-western philosophies from ancient to contemporary times. Occasional.</td>
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</table>
PHI 4341 CAH-PHIL 3(3,0) Ways of Knowing: PR: PHI 2010 or C.I. Philosophic study of approaches to knowledge, with emphasis on contributions of the knower to how things are known. Fall.

PHI 4400 CAH-PHIL 3(3,0) Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. Occasional.

PHI 4420 CAH-PHIL 3(3,0) Philosophy of Social Science: PR: Junior standing or PHI 2010 or C.I. An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. Occasional.

PHI 4500 CAH-PHIL 3(3,0) Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism. Occasional.

PHI 4633 CAH-PHIL 3(3,0) Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. Occasional.

PHI 4633H CAH-PHIL 3(3,0) Honors Ethics and Biological Science: PR: BSC 2010. A course in Philosophy, and consent of Honors. Contemporary thinking on ethical issues arising from the biological sciences, including human and animal experiments, genetic engineering, and biodiversity. Occasional.

PHI 4804 CAH-PHIL 3(3,0) Critical Theory: Theory. PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.

PHI 4931 CAH-PHIL 3(3,0) Philosophy in the News: PR: PHI 2010. Changing course content. A specific topic being covered by the media will be selected for philosophical examination. Course web enhanced. Occasional.

PHI 4935 CAH-PHIL 3(3,0) Topics in Philosophy of Mind: PR: PHI 3320, PHI 3451 or PHI 3323 or C.I. Recent debate in philosophy of mind. Variable topics. Examples: mental representation, consciousness, concepts, free will. May be repeated for credit. Occasional.

PHI 4938 CAH-PHIL 3(3,0) Senior Research Seminar: PR: Senior standing and Philosophy major, or C.I. Caspounse course on research, developing effective oral and written communication skills. Spring.

PHI 5225 CAH-PHIL 3(3,0) Philosophy of Language: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and culture. Occasional.

PHI 5327 CAH-PHIL 3(3,0) Topics in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.

PHI 5329 CAH-PHIL 3(3,0) Philosophy of Neuroscience: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neurophilosophy, including discussions of promises and limitations of neurophilosophy for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL 3(3,0) Research Methods in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.

PHI 5627 CAH-PHIL 3(3,0) Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on applied research in professional fields. Variable content. Fall.

PHI 5634 CAH-PHIL 3(3,0) Medical Ethics: PR: Graduating senior or C.I. Ethics for practitioners of medical medicine, health care delivery and medical research. Fall.

PHI 5665 CAH-PHIL 3(3,0) Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4633, PHI 4931 or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5687 CAH-PHIL 3(3,0) Ethics in Science and Technology: PR: Graduate standing or C.I. The relationship between ethics and the pursuit and application of human knowledge, emphasizing the responsibility of scientists to society. Occasional.

PHM 3020 CAH-PHIL 3(3,0) Philosophy of Love: PR: Junior standing and PHI 2010 or C.I. A critical investigation of the meaning and significance of various kinds of love from a variety of philosophical perspectives. Spring.

PHM 3022 CAH-PHIL 3(3,0) Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2010, PHI 3123, or C.I. Examines the contributions of poststructuralist and neopsychoanalytical theories to cultural issues in sexuality and gender. Even Spring.

PHM 3100 CAH-PHIL 3(3,0) Freedom and Justice: PR: Junior standing of PHI 2010 or C.I. Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state; includes topics such as freedom, equality, and justice. Occasional.

PHM 3123 CAH-PHIL 3(3,0) Feminist Theories: PR: ENC 1102. Contemporary issues and perspectives in feminist theory and their relation to divergent feminist practices. Even Fall.

PHM 3401 CAH-PHIL 3(3,0) Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal person, need, and responsibility. Spring.

PHM 4031 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHM 5035 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.


PHP 3786 CAH-PHIL 3(3,0) Existentialism: PR: Junior standing or PHI 2010 or C.I. Study of existentialist analysis and criticism of the human situation as found in the writings of such philosophers as Kierkegaard, Nietzsche, Heidegger, Sartre, and Camus. Odd Fall.

PHP 4782 CAH-PHIL 3(3,0) Phenomenology: PR: Junior standing and three Philosophy courses. The philosophy developed in the 20th century in the writings of Husserl, Heidegger, Sartre, Merleau-Ponty, De Beauvoir, and Derrida. Odd Spring.


PHT 3069L HPA-HP 2(0,4) Physical Assessment Lab: PR: PHT 3069. Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. Occasional.

PHT 3112 HPA-HP 2(2,0) Gross Anatomy/Neuroscience I: PR: Admission into the Physical Therapy program. CR: PHT 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper and lower extremities. Regional cadaver dissection. Occasional.

PHT 3112L HPA-HP 3(0,6) Gross Anatomy/Neuroscience I Lab: CR: PHT 3112. Human cadaver dissection of the back, spinal cord, cranial nerves, and upper and lower extremities. Occasional.

PHT 3113 HPA-HP 2(2,0) Gross Anatomy/Neuroscience II: PR: PHT 3112. CR: PHT 3113L. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. Occasional.

PHT 3113L HPA-HP 3(0,6) Gross Anatomy/Neuroscience II Lab: CR: PHT 3113. Directed laboratory experiences with cadaver dissection, use of the study models, and computer programs to facilitate learning. Occasional.

PHT 3122 HPA-HP 3(3,0) Clinical Kinesiology: CR: PHT 3122L. Mechanical aspects of human movement, including joint mechanics of the upper and lower extremity, the vertebral column, and tissue mechanics of relevant human issues. Coordinated with cadaver dissection. Occasional.

PHT 3122L HPA-HP 3(0,6) Clinical Kinesiology Lab: CR: PHT 3122. Lab course investigating the mechanical aspects of human movement. Occasional.

PHT 3155 HPA-HP 2(1,0) Physiology of Therapeutic Exercise: PR: PHT 3269, or PHT 3155L. Exercise physiology investigating the physiological responses and adaptations to human movement including cardiovascular and pulmonary systems. Occasional.
Patient. Incorporate a systems approach, utilizing screening, Lab. Extensive theory and practice in the examination of the patient. Required to perform an evaluation of physical therapy Assessment. Lab course emphasizing the examinations Physical Assessment Lab:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>CR</th>
<th>Lecture</th>
<th>Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHT 3259</td>
<td>Patient Care Skills</td>
<td>2(0,2)</td>
<td>CR: PHT 3259</td>
<td>Affective, cognitive, and psychomotor skills applied to patient care. Diversity issues discussed. Basic skills of patient care; transfers, mobility skills, draping, gait training. Occasional.</td>
</tr>
</tbody>
</table>


PHT 5241 L Physical Assessment Lab: PR: Physical Assessment Lab. Course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&S fee $45.00

PHY 5140C  COS-PHYS  3(3,2)
Ion-Solid Interactions: PR: PHY 4604 or PHY 4324, graduate status or senior standing, or C.I. Physical principles and related scientific and technological applications of ion-solid interactions. Even Spring.

PHY 5255  COS-PHYS  3(3,0)
Physics of Fluids and Biofluids: PR: HY 3513, PHY 3323, and MAP 2302 or C.I. Ideal Fluids: Basic equations of fluid flow; Viscous flow, instability and turbulence; Thermal and mass transfers in fluids, biofluid mechanics of blood circulation. Even Spring.

PHY 5346  COS-PHYS  3(3,0)
Electrodynamics I: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell's equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.

PHY 5455  COS-PHYS  3(3,0)
Modern X-ray Science: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.

PHY 5524  COS-PHYS  3(3,0)

PHY 5606  COS-PHYS  3(3,0)
Quantum Mechanics I: PR: PHY 4605, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrödinger equation, matrix formulation, and time independent perturbation theory. Fall.

PHY 5650  COS-PHYS  3(3,0)

PHY 5704  COS-PHYS  3(3,0)
Physics of Nanoelectronics Devices: PR: Graduate standing or C.I. Fabrication techniques of nanoscale electronic devices and understanding of their charge transport properties. Odd Fall.

PHY 5705  COS-PHYS  1(1,0)

PHY 5715  COS-PHYS  3(3,0)
Physical Basis of Life: PR: Graduate standing or C.I. Molecular and physical principles of origin of life, physical and chemical interpretation of life processes. Fall.

PHY 5817L  COS-PHYS  1(0,3)
Building Physics Apparatus: PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glasswork. Occasional. M&S fee $45.00

PHY 5846C  COS-PHYS  3(3,3)
Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall.

PHY 5933  COS-PHYS  3(3,0)
Selected topics in biophysics of macromolecules: PR: PHY 301; 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(3,0)
Introduction to Theoretical Methods of Physics: PR: Math 3402. Analytical techniques to solve problems of physics. Spring.

PHZ 3151  COS-PHYS  3(3,0)

PHZ 3422  COS-PHYS  3(3,0)
Nonlinear Physics: PR: PHY 301 or C.I. Physical phenomena occur on a length-scale, including nano colloids, and nano transport. Occasional.

PHZ 3601  COS-PHYS  3(3,0)

PHZ 4041  COS-PHYS  3(3,0)
Attosecond Laser Physics: PR: PHY 3323 or PHY 5346 or C.I. Coverage of the basic underlying theory through complex concepts of attosecond optics. Occasional.

PHZ 4390  COS-PHYS  3(3,0)
Nuclear and Particle Physics: PR: PHY 4605 or C.I. The properties of the nuclei and the fundamental particles and how the universe is built from particles. Occasional.

PHZ 4404  COS-PHYS  3(3,0)

PHZ 4434  COS-PHYS  3(3,0)
Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.

PHZ 5045  COS-PHYS  3(3,0)
Attosecond Laser Physics: PR: PHY 5606, PHY 5346 or PHY 4324, or C.I. Technique for generating attosecond optical pulses using both semi-classical models and quantum mechanics theories. Illustrative examples of attosecond applications. Odd Spring.

PHZ 5156  COS-PHYS  3(3,0)
Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHZ 5304  COS-PHYS  3(3,0)
Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. Occasional.

PHZ 5405  COS-PHYS  3(3,0)
Condensed Matter Physics: PR: PHY 4604, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PHZ 5425C  COS-PHYS  3(3,3)
Electro-Neutral Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.

PHZ 5432  COS-PHYS  3(3,0)

PHZ 5437  COS-PHYS  3(3,0)
Nanoscale Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.

PHZ 5454  COS-PHYS  3(3,0)
Nanofabrication using Focused Ion Beam: PR: Graduate standing or C.I. Basic theory of ion-solid interaction; fundamental principle of focused ion beam instrument and its applications in nanofabrication; other ion beam techniques. Odd Spring.

PHZ 5505  COS-PHYS  3(3,0)
Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PLA 3014  HPA-LS  3(3,0)
Law and the Legal System: PR: ENC 1102 and Sophomores. A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.

PLA 3018  HPA-LS  3(3,0)
Legal Research: PR: or CR: PLA 3014 or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. Fall, Spring.

PLA 3155  HPA-LS  3(3,0)
Legal Writing: PR: PLA 3018. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3018. Fall, Spring.

PLA 3205  HPA-LS  3(3,0)
Civil Practice and Procedure: PR: or CR: PLA 3014 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3306  HPA-LS  3(3,0)
Criminal Law: PR: ENC 1102 and Sophomore standing. Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.

PLA 3309  HPA-LS  3(3,0)
Criminal Procedure: PR: ENC 1102 and Sophomore standing. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.

PLA 3615  HPA-LS  3(3,0)
Property and Real Estate Law: PR: or CR: PLA 3014 or C.I. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.

PLA 4020  HPA-LS  3(3,0)
Law and Society: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.

PLA 4226  HPA-LS  3(3,0)
Advanced Trial Advocacy: PR: (PLA 4910 and Junior Standing) or C.I. Litigation and trial at an advanced level; students must handle trial from beginning to end. May be repeated for credit. Occasional.

PLA 4240  HPA-LS  3(3,0)
Negotiation Alternatives in Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. The theories and skills involved in negotiation, mediation and other dispute resolution processes. Occasional.

PLA 4263  HPA-LS  3(3,0)
Evidence: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.
PLA 4424 HPA-LS 3(3,0) The Law of Contracts: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

PLA 4436 HPA-LS 3(3,0) Florida Partnerships and Corporations: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. 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 bankruptcies and obligations of debtors and creditors. Occasional.

PLA 4472 HPA-LS 3(3,0) Employment Discrimination Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Course will address employment discrimination based on race, gender, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4485 HPA-LS 3(3,0) Administrative Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4530 HPA-LS 3(3,0) Legal Issues of the Elderly: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 4554 HPA-LS 3(3,0) Environmental Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Environmental law and policy relating to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. Odd Fall, Odd Spring.

PLA 4583 HPA-LS 3(3,0) Cyber Law I: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Analysis of copyright, trademark, and patent issues in the context of the Internet. Fall, Spring.

PLA 4607 HPA-LS 3(3,0) Estates and Trusts: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4609 HPA-LS 3(3,0) Estate Administration: PR: PLA 4607 and Junior standing) 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 the demands of today’s law firms and law-related fields. Occasional.

PLA 4764 HPA-LS 3(3,0) Law Office Practices: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. Occasional.

PLA 4806 HPA-LS 3(3,0) Domestic Relations Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. 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. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.


PLA 4825 HPA-LS 3(3,0) Entertainment Law: PR: 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, or C.I. Examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.

PLA 4864 HPA-LS 3(3,0) Admiralty and Maritime Law: PR: 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 315S, 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 examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

PLA 5937 HPA-LS 3(1,2) Seminar in Contemporary Legal Problems: PR: C.I. Analysis of current trends in legislation and court decisions and their significance to American society. Occasional.

POR 1120C CAH-LANG 4(3,1) Elementary Portuguese Language and Civilization I: PR: or C.I. This course teaches 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. Development of Portuguese language skills at the intermediate level. Fall, Spring.

POR 2201 CAH-LANG 3(3,0) Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese culture. 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) State Government and Public Policy: PR: POS 2041 or C.I. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. Occasional.

POS 3122H COS-POLS 3(3,0) Honors State Government and Public Policy: PR: POS 2041 or C.I. and permission of Honors. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. With Honors content. Occasional.

POS 3173 COS-POLS 3(3,0) Southern Politics: PR: POS 2041 or C.I. Study of southern politics past and present. Emphasis on factors affecting changes in the region and the states. Southern and national relationship examined. Occasional.

POS 3182 COS-POLS 3(3,0) Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.

POS 3182H COS-POLS 3(3,0) Honors Florida Politics: PR: POS 2041 or C.I. and consent of Honors. Foundations of Florida government and political behavior, political institutions, and public policy. With Honors content. Occasional.

POS 3233 COS-POLS 3(3,0) Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.

POS 3234 COS-POLS 3(3,0) Protest in American Politics: PR: POS 2041 or C.I. Connections between politics and protest in American politics including its impact on policy, and the implications of the generalization of protest for democracy. Occasional.

POS 3235 COS-POLS 3(3,0) Mass Media and Politics: PR: POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.

POS 3235H COS-POLS 3(3,0) Honors Mass Media and Politics: PR: POS 2041 or C.I. and consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. Occasional.

POS 3253 COS-POLS 3(3,0) Contemporary Revolution and Political Violence: PR: POS 2041 or INR 2002, or C.I. Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.
Emergent reading/writing processes during preschool, PR: Admission to the Early Childhood Education Program.

Content reading, content reading and comprehension.

for teaching reading. Specific techniques and materials for standing or C.I. Principles, procedures, and current practices in the elementary reading program. Materials and methods of instruction. Fall, Spring.

Diagnostic and Corrective Reading Strategies: PR: RED 3012; Corequisite: Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

Practicum that requires application of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. Fall, Spring.


Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147; Corequisite: Internship I. Practicum that requires application of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. Fall, Spring.

Fundamentals of Real Estate: PR: Junior standing. Analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.

Real Estate Law: PR: Junior standing. An analysis of the real estate law with emphasis on Florida statutes and case law. Fall, Spring.

Environmental Issues for Real Estate: PR: RED 3043, RED 3043; open to juniors or seniors who require this course. Political, cultural, institutional and scientific mechanisms which shape environmental policy. The effects of hazard, risk and uncertainty in policy development. Occasional.


Buddhist Thought: PR: HUM 2230 or REL 2300. Contemporary religious worldviews and irrationalism at the intersection of religion, philosophy, and popular culture. Odd Fall.
REL 4180H CAH-PHIL 3(3,0)

REL 4901 CAH-PHIL 1(1,0)
Portfolio: PR: Final semester as Humanities/Religious Studies major, or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.

REL 4101 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Religious Studies major, or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.

RET 3026C HPA-HP 4(3,3)
Introduction to Respiratory Care: PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamental respiratory principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. Fall.

RET 3269S HPA-HP 4(3,3)
Mechanical Ventilation: PR: RET 3026C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.

RET 3493C HPA-HP 3(2,3)
Respiratory Clinical Assessment: PR: RET 3026C. Demonstration of physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. Spring.

RET 3844C HPA-HP 4(3,3)
Flexible bronchoscopy: PR: PCG 3703C. Principles of flexible bronchoscopy, examination of the airway, and medical management, with patient cooperation and education. Spring.

RET 3000 HPA-HP 3(3,0)
Introduction to Radiologic Science: PR: Admission to Radiologic Science Program. Orientation to career field, radiation protection, principles and procedures of medical imaging and radiation therapy. Fall.

RET 3111C HPA-HP 2(1,5,1,5)
Introduction to Patient Care: PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiography. Fall.

RET 3118C HPA-HP 3(3,0)
Advanced Patient Care II: PR: RET 3111C or C.I. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, pediatrics, and interventional procedures. Spring.

RET 3298C HPA-HP 3(3,0)
Medical Physics: PR: RET 3844C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. Occasional.

RET 4486L HPA-HP 3(3,0)
Pulmonary Function Studies: PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. Occasional.

RET 4564C HPA-HP 4(3,3)

RET 4934 C HPA-HP 3(3,0)
Selected Topics in Respiratory Therapy: PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. Spring.

RET 4570 HPA-HP 4(3,0)

RET 4563 HPA-HP 4(3,0)
Advanced Imaging Modalities: PR: RTE 3804L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the GI tract, urinary tract, extremities and shoulder girdle. Spring.

RET 4206 HPA-HP 3(3,0)
Leadership in Radiological Sciences: PR: Senior level status in RS major or C.I. Study of the theories, principles, and skills necessary to function in a leadership position in Radiological Sciences. Spring.

RET 4209 HPA-HP 2(0,8)
Radiological Administrative Practice: A directed practice in the management of a radiology department, with application of theory and methodology. Occasional.

RET 4385 HPA-HP 1(1,0)
Radiobiology: PR: RTE 3808. A study of the effects of ionizing radiation on biological systems. The responses at the cellular and total organism level are investigated. Fall.

RET 4473 HPA-HP 3(3,0)
Quality Improvement: PR: Registered technologist or Senior standing. The study of quality improvement and quality control from the perspective of radiology services. Spring.

RET 4566 HPA-HP 2(2,0)
Special Radiographic Procedures: PR: RET 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. Occasional.

RET 4573 HPA-HP 3(3,0)
Advanced Imaging Modalities: PR: RTE 3853 or C.I. A study of the physical principles and applications of computed tomography, digital imaging, interventional radiography, mammography, ultrasound, magnetic resonance imaging, and nuclear medicine. Fall.

RET 4574 HPA-HP 1(1,0)
Computed Tomography Protocols: PR: Senior level status in Radiological Science Program. Examinations the application of imaging techniques accomplished by multidetector row computed tomography acquisition. Fall.

RET 4579 HPA-HP 1(1,0)
Magnetic Resonance Imaging Protocols: PR: Senior level status in Radiological Sciences Program. Provides overview of imaging protocols used for specific MRI procedures. Content includes patient screening, safety procedures, patient positioning, coll and accessory device selection, and orientation.

RET 4637 HPA-HP 3(3,0)
Anatomy for the Medical Image: PR: ZOO 3703C and PCB 3703C. A study of the normal anatomical structures and interrelationships of structures as demonstrated in a radiographic and cross-sectional imaging reference. Fall, Spring.

RET 4872 HPA-HP 2(2,0)

RET 4824L HPA-HP 5(0,20)
Clinical Education III: PR: RTE 3814L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on the pelvis, bony thorax, vertebral column, and mobile radiography. Occasional.
Clinical Education IV: PR: RTE 4824L. Supervised clinical education in radiographic/fluoroscopic procedures, mobile radiography and rotations through specialized imaging. Fall. 

Clinical Education V-A: PR: RTE 4834L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. Spring. 

Clinical Education V-B: PR: RTE 4845L or Admission to AS to BS Transfer Program. Supervised clinical practice in computed tomography, interventional radiology, cardiac catheterization, magnetic resonance, mammography, trauma or pediatrics. Fall, Spring. 

Directed Study in Radiologic Education: PR: ECT 3371 or EGD 4323 or C.I. Directed activity in classroom instruction in radiologic technology. Occasional. 

Writing for the Main Media: PR: ENG 1102. RTV Major. Practical experience in writing for various electronic media including radio, television, corporate, and digital media. Scripting requirements, writing styles and creative applications.秋,春. 

Development and Structure of Electronic Media and New Technology: PR: SPC 1608 or SPC 1603 or COM 1000 or C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls.秋,春. 

Production Fundamentals and Aesthetics of Electronic Media: PR: CR or RTV 3200 or C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems.秋,春. 

Audio Production I: PR: RTV 3200 and RTV Major. Production Specialization. Audio production theory and recording techniques using various microphone types, and digital non-linear audio computer-based editing equipment. Students should expect significant work in the RTV facility outside of class.秋,春. M&S fee $20.00 

Lighting for Video: PR: RTV 3226C or RTV 3256C, and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, single and multiple-camera video production. Students should expect significant work in the RTV facility outside of class.秋,春. M&S fee $30.00 

Studio Television Production: PR: RTV 3200 and RTV Major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape recorders, cameras, video switches, lighting, and electronic graphics. Students should expect significant work in the RTV facility outside of class.秋,春. M&S fee $30.00 

Broadcast Announcing and Performance: PR: RTV Major, Junior standing, and C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditioning, performance in scenes and commercials. Expect extensive studio work in the RTV facility outside of class.春. M&S fee $15.00 

Single Camera Video Production and Editing: PR: RTV 3260C and RTV Major - Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $29.00 

Advanced Video Production: PR: RTV 3260C and RTV Major - Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $15.00 

Production of Interactive Multimedia: PR: COS 5100, Organizational and Interpersonal Communication. Practice and production of electronic interactive multimedia for the broadcast industry. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $10.00 


Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages. Fall, Spring. M&S fee $10.00 

Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603 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. 

Television Directing: PR: RTV 3600C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $30.00 

Audio Production II: PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00 

Radio Production and Programming: PR: RTV 3200 and RTV Major - Production Specialization or Broadcast Journalism 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. 

Webcasting I: PR: RTV 3280C and PR: CR. RTV 3283C. Presentation of broadcast material on the web. Integrates the distribution of radio, television, and web content. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00 

Webcasting II: PR: RTV 4280C and RTV Major. Production of digital media in cooperation with other RTV production activities to repurpose broadcast content for delivery on the web. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00 

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 

Advanced TV News: PR: RTV 4320C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional. 

Electronic Media, Technology, and Society: PR: CR or CRTV 3200. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall, Spring. 

Sports Programming in Electronic Media: PR: Either SPC 1608, COM 1000, RTV 3007, or C.I. Emphasis on the process of creating and delivering sports programming on broadcast stations, cable television, and other forms of electronic media. Fall. 

Program Issues for TV & Motion Pictures: PR: RTV 4320C or FIL 2030 or C.I. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. Occasional. 

Regulation of Broadcasting: PR: RTV Major or Mass Comm. minor, and RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall. 

Examination of broadcast management problems in station operations at local, regional, and national levels. Spring. 

Elementary Russian Language and Civilization I: PR: RUS 2201 or equivalent. Introduction to the language and culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Occasional. 

Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Continuation of RUS 1120. Occasional. 

Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Occasional. 

Intermediate Russian Language and Civilization: PR: RUS 2201 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional. 

Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language leading toward fluency and correctness in speaking. Occasional. 

UCF Courses and Descriptions

RUS 3760 CAH-LANG 3(3,0) Advanced Russian Oral Communication: PR: RUS 2021 or equivalent. Vocabulary building with systematic training in diction and pronunciation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Occasional.

SCC 3311 HPA-CJ 3(3,0) Security Administration: Discussion of modern security concepts and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.

SCC 3316 HPA-CJ 3(3,0) Special Security Problems: PR: SCC 3311 or C.I. Review and application of basic security principles to retail security, transportation/cargo security, utility security, computer security, and other special security situations. Occasional.

SCE 3310 ED-TL&L 3(3,0) Teaching Science in Elementary School: PR: EDG 4410 or C.I. Selected concepts; organizing for instruction; evaluation procedures. Fall, Spring. M&S fee $10.00

SCE 4304 ED-CFC S 3(3,0) Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery/science/design technology program for young children in an integrated, interactive curriculum. Fall.

SCE 4360 ED-TL&L 4(3,2) Science Instructional Analysis: PR: EDG 4323 or C.I. Course Objectives for a school curriculum and methods and materials for the middle grades and high school. Fall, Spring. M&S fee $8.00

SCE 4361 ED-TL&L 3(3,0) Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary science education majors. Fall.

SCE 5325 ED-TL&L 3(3,0) Teaching Middle School Science: PR: EDG 6236 or C.I. This course will provide experiences that promote effective science teaching in grades 5-8 including interdisciplinary teamwork, technology use, ESL, and inquiry in science. Occasional.

SCE 5337 ED-TL&L 3(3,0) Issues and Methods in Secondary School Science: PR: EDG 6236 or C.I. Secondary science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.

SCE 5836 ED-TL&L 3(3,0) Space and Physical Science for Educators: PR: Graduate standing or C.I. Introduction to space and physical science, mariner space flight, and space education curriculum. Occasional.

SLS 1501 ED-TL&L 3(3,0) Strategies for Success in College: PR: First Time in College (FTIC) standing or C.I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall, Spring.

SLS 2311C COM&M&M 2(2,1) Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

SLS 2715 ED-TL&L 2(2,0) Peer Educator Leadership: PR: Orientation Team Members or C.I. Training peer educators in helping strategies applicable to their peer leadership positions. Fall, Spring.


SOP 3004C COS-PSYCH 3(3,2) Social Psychology: PR: PSY 2012. Effects of social situations and social variables on the behavior of individuals. Fall, Spring.

SOP 3723 COS-PSYCH 3(3,0) Cross Cultural Psychology: PR: PSY 2012. Exploration of theories, issues, and research concerned with the psychological understanding of under-represented minority groups. Odd Spring.

SOP 3724 COS-PSYCH 3(3,0) Psychology of Prejudice: PR: PSY 2012. Examination of literature relating to prejudice toward groups and individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. Even Spring.

SOP 3742 COS-PSYCH 3(3,0) Psychology of Women: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751 COS-PSYCH 3(3,0) Legal Aspects of Psychology: PR: PSY 2012 or SYE 2000, or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Occasional.

SOP 3784 COS-PSYCH 3(3,0) Psychology of Diversity: PR: PSY 2012. A review of the contributions of psychology to the understanding of human diversity related to ethnic background, gender, sexuality, and belief systems. Occasional.

SOP 5059 COS-PSYCH 3(3,0) Advanced Social Psychology: PR: SOP 3004C, graduate status or senior standing, or C.I. The major findings and theories in social psychology including an in-depth review of 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 3104 HPA-SOWK 3(3,0) Assessing I: Human Development: PR: Junior Standing or C.I. Skill development in assessing "person-in-environment" throughout life cycle. Study interaction of bio-psycho-social, cultural, and systemic influences on human functioning. Open to non-majors and pending social work majors. Fall.

SOW 3111 HPA-SOWK 3(3,0) Assessing II: Human Systems: PR: Admission to BSW Program and SOW 3104. Development of skills in assessing families, groups, organizations, and communities, their impact on human functioning, and their potential for providing social support. Spring.

SOW 3203 HPA-SOWK 3(3,0) Social Work & Community Resources: PR: Jr. Standing or C.I. open to non-majors. Generalist social work practice, including the structure of American social welfare, values and ethics of social work and community resources. Fall.


SOW 3350 HPA-SOWK 3(1,2) Practice II: Interpersonal Skills in Social Work: PR: SOW 3300 or PR or C.R. SOW 3300. Study and practice of interviewing, group leadership, written communication, and oral presentations, in consensual as well as conflictual contexts of social work. Spring.

SOW 3401 HPA-SOWK 3(3,0) Social Work Research: PR: STA 2014C or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. Spring.

SOW 3620 HPA-SOWK 3(3,0) Social Work with Diverse Populations: PR: SOW 3300 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 topics across the life span will be presented from a strengths perspective. Assessment & intervention recognizing cultural differences will be addressed. Fall.

SOW 4322 HPA-SOWK 3(3,0) Social Work Practice with Groups: PR: SOW 3104 and Junior Standing. Provide theories and skills of generalist social work practice with small groups in a wide range of social service agencies and with diverse client populations. Spring.

SOW 4341 HPA-SOWK 3(1,2) Micro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and supportive and remedial groups. Fall.

SOW 4343 HPA-SOWK 3(1,2) Macro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. Fall.

SOW 4510 HPA-SOWK 9(0,28) Field Education: PR: Completion of required courses in major: GPA 2.5 in major. CR: SOW 4522. Supervised field placement in an agency that is not a work practice to theory, requiring 420 clock hours in the field. Graded S/U. Spring.

SOW 4522 HPA-SOWK 3(2,1) Field Education Seminar: PR: Completion of required courses in major: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4602 HPA-SOWK 3(3,0) Social Work in Health Settings: PR: Junior Standing or C.I. Study of social work roles, interventions, and issues related to helping patients in health settings. Fall.

SOW 4645 HPA-SOWK 3(3,0) Social Services for the Elderly: PR: Junior Standing or C.I. Development of interventive skills for obtaining, providing, and improving social services in behalf of elderly persons and their families. Fall.

SOW 4650 HPA-SOWK 3(3,0) Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to BSW program or C.I. The social worker's role and interventions with victims of child abuse and their family members. Spring.

SOW 4654 HPA-SOWK 3(3,0) Children's Services: PR: (Admission to BSW program) or PR: or CR: SOW 3104. Study of societal responses to children's needs. Development of skills for preventing family breakdown, placing children in alternative care, and reuniting children with their families. Fall, Spring.

SOW 4673 HPA-SOWK 3(3,0) Social Work Practice: The Gay and Lesbian Experience: PR: Junior Standing or C.I. Sexual orientation and cultural diversity, policies and resources affecting gay & lesbian people, community based therapeutic and preventive interventions with gay & lesbian clients. Even Spring.

SOW 5404 HPA-SOWK 3(3,0) Development, grant funding, fundraising, marketing, and nonprofit organizations, including board development to certificate program or C.I. Resource Development in Nonprofit Resource Development: groups, programs, communities.

SOW 5754 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 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 5175 HPA-SOWK 3(3,0) Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. Occasional.

SOW 5235 HPA-SOWK 3(3,0) Social Welfare Policies and Services: Study of societal responses to human needs; forces shaping social welfare systems; introduces frameworks for analyzing social policies and practice. Fall.

SOW 5305 HPA-SOWK 3(3,0) Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5306 HPA-SOWK 3(3,0) Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 5355 HPA-SOWK 3(3,0) Studies in Social Work Practice: PR: C.I. Analysis of one or more urban practice issues and approaches. May be repeated for credit. Occasional.

SOW 5387 HPA-SOWK 3(3,0) Nonprofit Resource Development: PR: Admission to certificate program or C.I. Resource Development in nonprofit organizations, including board development and leadership, volunteer program development, staff development, grant funding, fundraising, marketing, and government contract development and management. Occasional.

SOW 5404 HPA-SOWK 3(3,0) Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. Fall.

SOW 5432 HPA-SOWK 3(3,0) Evaluating Social Work: Study of single case designs in social work; recording methods; behavioral and standardized measures; applications to individuals, families, groups, programs, communities. Occasional.

SOW 5532 HPA-SOWK 2(2,0) Generalist Field Education I: PR: Admission to MSW program. Supervised practice of social work in an agency for 224 clock hours. Graded S/U. Fall, Even Spring.

SOW 5533 HPA-SOWK 2(2,0) Generalist Field Education II: PR: MSW. Continuation of SOW 5532. Generalist Field Education I in the same field agency for 224 clock hours. Graded S/U. Odd Fall, Spring.

SOW 5534 HPA-SOWK 1(1,0) Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: SOW 5532. Designed to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Fall.

SOW 5538 HPA-SOWK 3(3,0) Full-Time MSW Generalist Field Education and Seminar I: PR: Graduate standing 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 250 clock hours. Graded S/U. Occasional.

SOW 5539 HPA-SOWK 3(3,0) Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5306. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. Occasional.

SOW 5546 HPA-SOWK 1(1,0) Generalist Field Education Integrative Seminar I I: PR: Admission to MSW program. CR: Generalist Field Education II. Continuation of generalist field education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 190 clock hours. Graded S/U. Occasional.


SOW 5566 HPA-SOWK 2(2,0) Part-Time MSW Generalist Field Education and Seminar II: PR: SOW 5565; CR: SOW 5306. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 140 clock hours. Graded S/U. Occasional.

SOW 5624 HPA-SOWK 3(3,0) Social Work Practice in Mexican Culture: PR: C.I. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. Occasional.

SOW 5625 HPA-SOWK 3(3,0) Social Work with Women: Alternative approaches to the treatment of women in the urban setting. Occasional.

SOW 5642 HPA-SOWK 3(3,0) Aging In Social Settings: PR: Admission to MSW program or Gerontology certificate program or C.I. Knowledge about elderly in social situations or environmental context. Occasional.


SPA 3011 HPA-COM SC&DIS 3(3,0) Speech Science I: Production: PR: SPA 3112. CR: SPA 3011L. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.


SPA 3010 HPA-COM SC&DIS 3(3,0) Physiological Bases of Hearing: PR: or CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.


SPA 3112 HPA-COM SC&DIS 3(3,0) Basic Phonetics: CR: SPA 3112L. Physiological descriptions and visual notation of standard speech patterns and regional dialects. Fall, Spring.


SPA 3123 HPA-COM SC&DIS 3(3,0) Speech Science II: Perception: PR: SPA 3112, SPA 3101. CR: SPA 3123L. How the perception of human speech differs from that of other auditory signals. Fall, Spring.


SPA 3412 HPA-COM SC&DIS 3(3,0) Brain Stories: A Communication Disorders Perspective: PR: SPA 3471 (may be taken as prerequisite). CR: PSY 2012 or SYG 2000. Exploration of communication disorders from a biological and psychological perspective. Fall, Spring.

SPA 3471 HPA-COM SC&DIS 3(3,0) Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders from a historical and contemporary perspective. Fall, Spring.

SPA 3472 HPA-COM SC&DIS 3(3,0) Communication Disorders in Literature and Media: PR: SPA 3471. Exploration of communication disorders from a historical and contemporary perspective. Fall, Spring.


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SPA 4400 HPA-COM SC&DIS 3(3,0) Language Disorders Across the Life Span: PR: LIN 3717. Etiology, assessment, and management of language disorders in children, adolescents, and adults, including those associated with autism, traumatic brain injury, learning disabilities, and dementia. Fall, Spring.

SPA 4476 HPA-COM SC&DIS 3(3,0) Speech Disorders Across the Lifespan: PR: SPA 4471, SPA 3471, SPA 3101, and SPA 3112. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonology, resonance, fluency, and feeding and swallowing. Fall, Spring.

SPA 4478 HPA-COM SC&DIS 3(3,0) Multicultural Aspects of Communication Disorders & Differences: PR: LIN 3716. Cultural and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4501L HPA-COM SC&DIS 3(0,3) Undergraduate Clinical Practicum: PR: SPA 4400 or SPA 4476 and senior standing. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Consent of instructor. Fall, Spring. M&S fee $45.00.

SPA 4555 HPA-COM SC&DIS 3(3,0) Counseling in Communication Disorders: PR: SPA 4550C or C.I. Practical interviewing and counseling in the area of communication disorders. Spring.

SPA 4580 HPA-COM SC&DIS 3(3,0) Augmentative and Alternative Communication Systems: PR: SPA 3471, 3101, or 3112. The total communication system for individuals with communication disorders and differences. Special emphasis on augmentative and alternative communication systems. Fall, Spring.

SPA 4634 HPA-COM SC&DIS 3(3,0) Educational Implications of Deafness: PR: ASL 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803 HPA-COM SC&DIS 3(3,0) Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.

SPA 4870C HPA-COM SC&DIS 3(2,1) Capstone Course: PR: or CR. All required CSAD courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.

SPA 4904 HPA-COM SC&DIS 3(0,3) Community Internship: PR: SPA 4400 or SPA 4476 and senior standing. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. Fall, Spring.

SPA 5473 HPA-COM SC&DIS 3(3,0) Multicultural Aspects of Communication Differences and Disorders: PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures. Occasional.

SPA 5554 HPA-COM SC&DIS 3(3,0) Counseling in Communicative Disorders: PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families. Spring.

SPA 5564 HPA-COM SC&DIS 3(3,0) Aging and Communication: PR: Senior status or C.I. Study of the changes in communication with normal aging, focusing on assessment and management of older individuals with communication disorders. Occasional.

SPB 3003 BA-BUS 3(3,0) Introduction to Sport Business Management: PR: SPA 3471, 3101, and 3112. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Occasional.

SPB 3503 BA-BUS 3(3,0) Ethics in Sport Business: PR: SPB 3003 with a "C" (2.0) or better. The ethics and moral issues in sport and their business implications focusing on the responsibilities of decision makers in professional, collegiate, and Olympic sport. Occasional.

SPB 3603 BA-BUS 3(3,0) Diversity and Social Issues in Sport Business Management: PR: SPB 3003 with a "C" (2.0) or better, and either FIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. Diversity, social issues, social responsiveness, and financial performance in professional, collegiate, and Olympic sport. Occasional.

SPB 3823 BA-BUS 3(3,0) The Role of Business Entrepreneurship in Sports/Entertainment: PR: SPB 3003 with a "C" (2.0) or better, and either FIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. The structure, evolution and government of intercollegiate sport management and a framework for sound business decision making. Occasional.

SPB 4104 BA-BUS 3(3,0) Intercollegiate Sport Industry: PR: SPA 3471, 3101, and 3112. The role of business entrepreneurship in sport/entertainment by examining various entrepreneurs and cultural movements in business organizations. Theories/concepts of business and entrepreneur behavior are applied. Occasional.

SPB 4204 BA-BUS 3(3,0) Professional Sport Industry: PR: SPA 3471, 3101, and 3112. The structure, evolution and government of professional sport management and a framework for sound business decision making. Occasional.

SPB 4304 BA-BUS 3(3,0) Sports Event and Facility Management: PR: SPA 3003 with a "C" (2.0) or better, and either FIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. The principles of facility and event management in sport business and their applications in professional, collegiate, and Olympic sport. Occasional.

SPB 4400 BA-BUS 3(3,0) Sport Business Law: PR: SPA 3003 with a "C" (2.0) or better. The legal framework for sport business management and its applications in professional, collegiate, and Olympic sport. Occasional.

SPB 4704 BA-BUS 3(3,0) Sport Business Strategy: PR: SPA 3003 with a "C" (2.0) or better. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. Occasional.

SPB 4804 BA-BUS 3(3,0) Sport Business and Media: PR: SPA 3003 with a "C" (2.0) or better, and either FIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. The structure and evolution of the interrelationship between sport and media and their business implications. Occasional.

SPC 1603 COS-COMM 3(3,0) Fundamentals of Technical Presentations: PR: Permission of instructor. Communication theory and its application to preparing and delivering technical information in public speaking situations. Fall, Spring.

SPC 1603H COS-COMM 3(3,0) Honors Fundamentals of Technical Presentation: PR: Permission of Honors. Communication theory and its application to preparing and delivering technical information in public speaking situations. With honors, may be used in the degree program a maximum of 3 times. Occasional.


SPC 2942 COS-COMM 1-3(1-3.0) Debate Practicum: Training and participation in interscholastic debate. Graduation credit. May be used in the degree program a maximum of 3 times. Occasional.

SPC 3301 COS-COMM 3(3,0) Interpersonal Communication: PR: or CR: COM 3311, or C.I. Nature of the communication process; variables affecting the process and the individuals involved. Analysis of communication models, inter- and intrapersonal behaviors, situational cues, verbal and non-verbal messages. Fall, Spring.

SPC 3425C COS-COMM 3(2,1) Group Interaction and Decision-Making: PR: or CR: COM 3311, or C.I. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. Occasional.

SPC 3445 COS-COMM 3(3,0) Leadership Through Oral Communication: PR: or CR: COM 3311 or C.I. Leadership development in oral communication situations, principles of effective leadership, and leadership in problem solving. Fall, Spring.

SPC 3513C COS-COMM 3(1,2) Argumentation and Debate: PR: One of the following: SPC 1608, SPC 1603, COM 1000, or C.I. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 3513H COS-COMM 3(3,0) Honors Argumentation and Debate: PR: Consent of Honors and one of the following: SPC 1606, SPC 1603, COM 1000, or C.I. Advanced study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 4331 COS-COMM 3(3,0) Nonverbal Communication: PR: or CR: or COM 3311, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and para-language. Lectures are supplemented by frequent nonverbal exercises. Fall, Spring.

SPC 4426 COS-COMM 3(3,0) Group Dynamics: PR: or CR: COM 3311, or C.I. Human behavior in group situations. Fall, Spring.

SPC 4540 COS-COMM 3(3,0) Attitudes and Communication: PR: or CR: COM 3311, or C.I. A survey of the immediate and direct ways in which persuasive communications and social groups come to influence attitudes. Fall, Spring.

SPM 3130 ED-CFCS 3(3,0) Aquatic Management: PR: Admission to B.S. in Sports and Fitness program or C.I. Requisite knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204 ED-CFCS 3(3,0) Sports and Ethics: PR: Junior standing or C.I. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3415 ED-CFCS 3(3,0) Public Relations in Sport and Exercise Science: PR: PET 3005. Examining the role of public relations and media with specific application to sport and exercise science professionals. Fall, Spring.

SPM 3504 ED-CFCS 3(3,0) Fiscal and Facilities: Issues in Sport and Exercise Science: PR: PET 3005. Design, maintenance, and operation of sport and exercise science facilities with a specific focus on fiscal management. Fall, Spring.
Legal Issues in Sport and Exercise Science: PR: C.I. Examination of the legal issues and problems encountered by sport and exercise science professionals. Fall, Spring.

Introduction to Sports Administration: PR: C.I. This course will provide an overview of the sports industry. Fundamental leadership administration and management theories as well as information on current issues are emphasized. Occasional.

Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

Financial Issues in Sports and Fitness: PR: C.I. Examines basic financial concepts including budgeting, financial analysis, and examining methods for increasing revenue and controlling costs in the sports industry. Occasional.

Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

Honors Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Students with little or no background in the Spanish language. For students with no experience in this language. Fundamentals of the language are taught in the native environment. Fall.

Honors Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

Honors 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.

Advanced Spanish for Native Speakers: PR: C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasized composition skills. Occasional.

Modern Spanish Civilization Abroad: PR: SPN 2340 & SPN 1121C. This intensive course will focus on modern Spanish culture using examples from present day society. Cultures in Latin America are essential components of this course. Occasional.

Business Spanish I: PR: SPN 2200 and SPN 2201 or equivalent. Basic business terminology, business culture, and business topics related to the Hispanic World. Odd Fall.


Business Spanish III: PR: C.I. Continuation of Business Spanish II. Even Fall.

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.

Advanced Spanish Grammar and Composition: PR: SPN 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. Fall, Spring.

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.

Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native speakers. Fall.

Advanced Spanish Native Fluency II: PR: SPN 3344. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and composition skills. Spring.

Practice in Modern Spanish Grammar: PR: SPN 2241 or 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native Spanish. Odd Fall.

Spanish Composition: PR: SPN 2241 or equivalent. Development of skills in composition. Fall, Spring.

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.

Advanced Spanish Oral Communication: PR: SPR 5400 or SPN 2240 or equivalent. Vocabulary building with systematic training in dictation and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.


Spanish Across the Curriculum: PR: SPN 2201 or C.I. CR: concurrent enrollment in a designated course. Improvement of skills in Spanish within the student’s major or minor. Open to students in all colleges. May be repeated for credit. Fall, Spring.


Advanced Spanish Conversation: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish pronunciation and perfected the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.

Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. Students will learn the basic principles of Spanish pronunciation and perfected the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.

American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. An analysis of 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.

Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the capacity as well as the ways in which the differences between semantics, morphology, syntax, and phonology in the Spanish language are related. The course applies the criteria of the modern grammatical analysis of the Spanish language. Occasional.

Contemporary Culture: PR: SPN 2241 or 3420. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. Occasional.
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SPN 5505 CAH-LANG 3(3,0)
Spanish Peninsular Culture and Civilization: Pr: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. Occasional.

SPN 5506 CAH-LANG 3(3,0)
Spanish American Culture and Civilization: Pr: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. Occasional.

SPN 5705 CAH-LANG 3(3,0)
Introduction to Spanish Linguistics: Pr: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analyses focusing on Spanish morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Odd Fall.

SPN 5825 CAH-LANG 3(3,0)
Spanish Dialectology: Pr: Graduate status or senior standing or C.I. This course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. Occasional.

SPN 5845 CAH-LANG 3(3,0)
History of the Spanish Language: Pr: Graduate status or senior standing or C.I. An overview of historical linguistic events of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

SPN 5920 CAH-LANG 3(3,0)
AP Spanish Language: Pr: Graduate status or senior standing 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.

SPT 3800 CAH-LANG 3(3,0)
Spanish Translation and Interpretation: Pr: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

SPT 3805 CAH-LANG 3(3,0)
Spanish Translation and Interpretation for Mass Communication: Pr: SPN 3420. Translation and interpretation in mass communication using all forms of media. Even Spring.

SPT 3809 CAH-LANG 3(3,0)
Medical Spanish Translation/Interpretation: Pr: SPN 3420 and SPN 2241. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

SPT 3831 CAH-LANG 3(3,0)
Spanish Legal Translation and Interpretation: Pr: SPN 3420 and SPN 2241. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. Even Fall.

SPT 4001 CAH-LANG 3(3,0)

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 from the Middle Ages through the Eighteenth century.

SPW 3101 CAH-LANG 3(3,0)
Survey of Spanish Literature II: Pr: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

SPW 3130 CAH-LANG 3(3,0)
Survey of Latin-American Literature I: Pr: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the colonial period to Nineteenth Century Romanticism. Fall.

SPW 3131 CAH-LANG 3(3,0)
Survey of Latin-American Literature II: Pr: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to the present. Spring.

SPW 3320 CAH-LANG 3(3,0)
Modern Hispanic Theater Workshop I: Pr: C.I. Introduction to fundamental actor's technique and practice in Spanish. Short scenes will be performed in class. Occasional.

SPW 3321 CAH-LANG 3(3,0)

SPW 3370 CAH-LANG 3(3,0)
Spanish Short Story: Pr: SPN 3760, SPN 3420 and SPN 3300, or C.I. Major leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

SPW 4272 CAH-LANG 3(3,0)
20th Century Spanish Novel: Pr: SPW 3101 or SPW 3131 or C.I. Major works by leading authors of the 20th century. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 4310 CAH-LANG 3(3,0)
Golden Age Drama: Pr: SPW 3100 or C.I. A study of the drama of the Golden Age; with special emphasis on Lope, Tirso, Alarcon, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined. Occasional.

SPW 4322 CAH-LANG 3(3,0)
Contemporary Iberian Theatre: Pr: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 4346 CAH-LANG 3(3,0)
Latin-American Narrative/Essay: Pr: SPW 3100 or SPW 3130 or SPW 3131 or SPW 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4381 CAH-LANG 3(3,0)
Latin-American Theatre/Poetry: Pr: SPW 3100 or SPW 3130 or SPW 3131 or SPW 3370. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4382 CAH-LANG 3(3,0)
Central American Literature: Pr: SPW 3131 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central America literary history. Taught in Spanish. Occasional.

SPW 4450 CAH-LANG 3(3,0)

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 Realism, Romanticism, and Naturalism. Occasional.

SPW 4604 CAH-LANG 3(3,0)
Cervantes: Pr: SPW 3100 or C.I. Don Quixote. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3(2,1)</td>
<td>Application: Microsoft Excel: manipulating data, single variable graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3(2,1)</td>
<td>Introduction to statistical concepts in modern society. Basic principles, frequency distributions, location, and dispersion, probability, statistical inference. The &quot;NC&quot; grading policy applies to this course. Fall, Spring.</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3(3,0)</td>
<td>PR: MAC 1105C or MGF 1106. First methods course introducing probability and statistical inference. Distributions, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.</td>
</tr>
<tr>
<td>STA 2023H</td>
<td>Honors Statistical Methods I</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3(3,0)</td>
<td>PR: MAC 2312. Assays of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.</td>
</tr>
<tr>
<td>STA 3032H</td>
<td>Honors Probability and Statistics for Engineers</td>
<td>3(3,0)</td>
<td>PR: MAC 2312 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, procedures for implementing and interpreting them. With honors content. Fall, Spring.</td>
</tr>
<tr>
<td>STA 3096</td>
<td>Statistical Graphics</td>
<td>3(3,0)</td>
<td>PR: STA 2023 or STA 3032 and a knowledge of a programming language. Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. Occasional.</td>
</tr>
<tr>
<td>STA 4102</td>
<td>Computer Processing of Statistical Data</td>
<td>3(3,0)</td>
<td>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 4130</td>
<td>Life Contingencies I</td>
<td>3(3,0)</td>
<td>PR: STA 4138 (or old number STA 3183). Economics of insurance, utility theory, single premiums for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.</td>
</tr>
<tr>
<td>STA 4131</td>
<td>Life Contingencies II</td>
<td>3(3,0)</td>
<td>PR: STA 4130 (or old number STA 3130). Multiple-decrement and multi-life models. Insurance models including expenses. Modified reserves. Cash values, insurance options and asset shares. Nonforfeiture benefits and dividends. Spring.</td>
</tr>
<tr>
<td>STA 4163</td>
<td>Statistical Methods II</td>
<td>3(3,0)</td>
<td>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 4164</td>
<td>Statistical Methods III</td>
<td>3(3,0)</td>
<td>PR: STA 4138. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.</td>
</tr>
<tr>
<td>STA 4173</td>
<td>Biostatistical Methods CR</td>
<td>3(3,0)</td>
<td>CR: STA 4163 or C.I. Applied statistical principles and methods applied to problems in medical, biological, and agricultural sciences. Occasional.</td>
</tr>
<tr>
<td>STA 4183</td>
<td>Theory of Interest</td>
<td>3(3,0)</td>
<td>PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.</td>
</tr>
<tr>
<td>STA 4184</td>
<td>Introduction to Derivative Markets</td>
<td>3(3,0)</td>
<td>PR: STA 4163 or C.I. Cash flow and profit for simple options and forwards, hedging strategies, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, callable bonds. Spring.</td>
</tr>
<tr>
<td>STA 4186</td>
<td>Theory of Derivative Pricing</td>
<td>3(3,0)</td>
<td>PR: STA 4184 or C.I. Assumption of 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>Statistical Theory I</td>
<td>3(3,0)</td>
<td>PR: STA 2023 or STA 3032; CR: MAC 2313. Probability axioms, discrete and continuous sample spaces, conditional probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. Fall.</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
<td>3(3,0)</td>
<td>PR: STA 4321. Conditional distributions, sums of random variables, Chebyshev's inequality, central limit theorem, method of moments, maximum likelihood, confidence intervals, hypothesis testing, transformations of two random variables. Spring.</td>
</tr>
<tr>
<td>STA 4502</td>
<td>Nonparametric Statistical Methods</td>
<td>3(3,0)</td>
<td>PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, measures of association, nonparametric analysis of variance. Occasional.</td>
</tr>
<tr>
<td>STA 4504</td>
<td>Categorical Data Analysis</td>
<td>3(3,0)</td>
<td>PR: STA 4163. Two- and three-way contingency tables, odds ratios, partial association, logistic regression and log linear models. Occasional.</td>
</tr>
<tr>
<td>STA 4664</td>
<td>Statistical Quality Control</td>
<td>3(3,0)</td>
<td>PR: STA 2023 or STA 3032. Statistical concepts and methods applied to the control of quality of manufactured products. Occasional.</td>
</tr>
<tr>
<td>STA 4672</td>
<td>Actuarial Statistical Methods</td>
<td>3(3,0)</td>
<td>PR: STA 2023 and STA 4183. Regression and time series analysis of insurance and financial data. Occasional.</td>
</tr>
<tr>
<td>STA 4852</td>
<td>Applied Time Series</td>
<td>3(3,0)</td>
<td>PR: STA 4163. Forecasting methods, time series analysis, stationary and nonstationary time series, ARIMA models, forecasting processes. Occasional.</td>
</tr>
<tr>
<td>STA 4859</td>
<td>Problems in Actuarial Science</td>
<td>3(3,0)</td>
<td>PR: STA 4322. Fundamental mathematical and statistical tools for quantitatively assessing risk; application of these tools to problems in actuarial science. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>STA 5014</td>
<td>Advanced Computer Processing of Statistical Data</td>
<td>3(3,0)</td>
<td>PR: STA 4163 or STA 6185. Study and projects on problems in actuarial practice, discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.</td>
</tr>
<tr>
<td>STA 5104</td>
<td>Casualty Insurance</td>
<td>3(3,0)</td>
<td>PR: STA 4321 and graduate status or senior standing or C.I. Consider the discrete probability distributions, contingency tables, measures of association, and advanced methods, including logistic modeling. Occasional.</td>
</tr>
<tr>
<td>STA 5105</td>
<td>Categorical Data Methods</td>
<td>3(3,0)</td>
<td>PR: STA 4163 or STA 5206, and graduate status or senior standing or C.I. Consider discrete probability distributions, contingency tables, measures of association, and advanced methods. Occasional.</td>
</tr>
<tr>
<td>STA 6546</td>
<td>Casualty Insurance</td>
<td>3(3,0)</td>
<td>PR: STA 4164. Consider discrete probability distributions, contingency tables, measures of association, and advanced methods. Occasional.</td>
</tr>
<tr>
<td>STA 5703</td>
<td>Data Mining Methodology</td>
<td>3(0)</td>
<td>PR: STA 5104 and STA 5206, and graduate status or senior standing or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. Fall.</td>
</tr>
<tr>
<td>STA 5825</td>
<td>Stochastic Processes and Applied Probability Theory</td>
<td>3(3,0)</td>
<td>PR: STA 4321, and graduate status or senior standing or C.I. Conditional probability and conditional expectations, sequences of random variables, branching processes, random walks, Markov chains, renewal events, Markov chain, queuing theory, and simple stochastic processes. Spring.</td>
</tr>
<tr>
<td>STA 5948</td>
<td>Actuarial Science Practicum</td>
<td>3(3,0)</td>
<td>PR: STA 4183 or STA 6185. Study and projects on problems in actuarial practice, discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.</td>
</tr>
<tr>
<td>SUR 2101C</td>
<td>Surveying</td>
<td>3(2,3)</td>
<td>PR: MAC 2311C and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. Spring.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

SYA 3110 COS-SOC  3(3,0)
Social Theory: PR: Junior standing and 9 hours of upper level sociology courses or C.I. Theories concerning the nature of mankind as a "social being." The nature of society from the beginnings of the scientific study of human life to World War II. Spring.

SYA 3400C COS-SOC  4(3,1)
Applied Social Statistics: PR: SYG 2000 and one other sociology course. Application of statistical techniques to sociological data as conducted in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists. Fall.

SYA 4300C COS-SOC  4(3,2)
Research Methods: PR: SYG 2000 or SYG 2010 or C.I. Sociological data collections, sampling techniques, grant proposal development, critical evaluation of social research, and relationship between theory and social research. Fall.

SYA 4310C COS-SOC  4(3,1)
Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. Occasional.

SYA 4450 COS-SOC  4(3,2)
Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced social research design and analytical skills. Emphasis on computer-aided management, various modes of sociological data analysis, interpretation, integration, presentation, and report writing. Spring.

SYA 4630C COS-SOC  3(2,2)

SYA 5625 COS-SOC  3(3,0)
ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological areas that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education. Fall.

SYD 3410 COS-SOC  3(3,0)

SYD 3700 COS-SOC  3(3,0)
Race and Ethnicity: PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.

SYD 3800 COS-SOC  3(3,0)
Sex and Gender in Society: PR: SYG 2000 or C.I. The traditional and changing roles of women and men viewed in a sociological perspective. Fall, Spring.

SYD 4020 COS-SOC  3(3,0)

SYD 4510 COS-SOC  3(3,0)
Environment and Society: PR: SYG 2000 or C.I. Applies the sociological perspective and sociological methodology to the relationships between human behavior and the environment. Odd Spring.

SYD 4514 COS-SOC  3(3,0)

SYD 4810 COS-SOC  3(3,0)
Women in Contemporary Society: PR: SYG 2000 or WST 3015 or C.I. Examination and evaluation of the status of women in the context of the major social institutions (e.g., family, education, religion, economy and polity). Fall, Spring.

SYD 4813 COS-SOC  3(3,0)

SYD 5517 COS-SOC  3(3,0)
Environment and Society: PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. Occasional.

SYD 5795 COS-SOC  3(3,0)
Class, Race, and Gender in American Society: PR: Graduate standing or C.I. Using theoretical and empirical studies, this course will provide a sociological examination of the intersections of race, class, and gender in American society. Occasional.

SYG 2000 COS-SOC  3(3,0)
Introduction to Sociology: Scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. Fall, Spring.

SYG 2000H 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 problem such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. Fall, Spring.

SYG 3000 COS-SOC  3(3,0)

SYG 3360 COS-SOC  3(3,0)
Social Organization and Human Relations: Analysis of business, government, and industrial organizations. Topics include organizational theory, social systems, social structure, effects of technology, motivation, leadership, decision-making, and human relations. Occasional.

SYG 3410 COS-SOC  3(3,0)
Patterns of Mental Health in Society: PR: SYG 2000 or C.I. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. Occasional.

SYG 3550 COS-SOC  3(3,0)
Social Power and Inequality: PR: SYG 2000 or C.I. Study of class, status and power, cultural variations in stratification systems; patterns of mobility and change. Occasional.

SYG 4100 COS-SOC  3(3,0)
Family Trends: PR: SYG 2000 or SYG 2010 or C.I. Intimate relationships, practices, trends and issues affecting today's marriages and families. Fall, Spring.

SYG 4200 COS-SOC  3(3,0)
Religion in Society: PR: SYG 2000 or C.I. The relationship between the religious institution and social stratification, family, education, as well as issues pertaining to gender, race, ethnicity, and age. Occasional.

SYG 4260 COS-SOC  3(3,0)
Education and Social Achievement: PR: SYG 2000 or C.I. This course examines the sociological dimensions of the educational institutions, including the impact of the social structure on learning and the role of education in social change. Occasional.

SYG 4300 COS-SOC  3(3,0)
Political Sociology: Sociological analysis of political and parapolitical groups; socioeconomic variables of voting behavior, power elites; societies and systems of government. Occasional.

SYO 4323 COS-SOC  3(3,0)
Community and Diversity: PR: SYG 2000 and junior standing. The formation of social systems in response to social problems and the implementation of public policy. Emphasis on diverse perspectives and ethical positions and their effect on the form and effectiveness of social systems. Occasional.

SYO 4400 COS-SOC  3(3,0)
Medical Sociology: Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYP 3300 COS-SOC  3(3,0)
Fads, Crowds, and Social Action: PR: SYG 2000 or C.I. Analysis of relatively unstructured social situations, such as mobs, crowds, etc. as well as more structured forms of collective behavior such as social movements. Occasional.

SYP 3400 COS-SOC  3(3,0)

SYP 3510 COS-SOC  3(3,0)
Sociology of Deviant Behavior: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of the types of, and societal reactions to, deviant behavior with special emphasis on stigmatization. Spring.

SYP 3511 COS-SOC  3(3,0)
Sociology of Murder: PR: SYG 2000 or SYG 2010 or C.I. An analytical study of murder in the U.S.: topics include different types of homicides, offenders, victims, and circumstances. Fall.

SYP 3520 COS-SOC  3(3,0)

SYP 3530 COS-SOC  3(3,0)
Juvenile Delinquency: Types of delinquency behavior found among juveniles; possible causes and ways society attempts to treat the various forms of delinquency. Occasional.

SYP 3540 COS-SOC  3(3,0)

SYP 3550 COS-SOC  3(3,0)

SYP 3562 COS-SOC  3(3,0)

SYP 3602 COS-SOC  3(3,0)
Patterns of Popular Music in Society: PR: SYG 2000 or SYG 2010 or C.I. The role of popular music in social change and in reflecting American culture. Consideration is given to the nature of the popular music business. Occasional.

SYP 3630 COS-SOC  3(3,0)
Popular Culture in Society: PR: Junior Standing or C.I. Focuses on the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity and age. Occasional.

SYP 3650 COS-SOC  3(3,0)
SYP 4000 COS-SOC 3(3,0) Sociological Social Psychology: PR: SYG 2000 or C.I. An exploration of social problems and mental processes as influenced by social interaction and social processes. Occasional.

SYP 4004 COS-SOC 3(3,0) Constructing Social Issues: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of social problems as an emergent process that involves collective definitions and legitimating organizations. Topics include deviance, race, gender and popular culture. Occasional.

SYP 4304 COS-SOC 3(3,0) Social Movements and Revolutions: PR: SYG 2000 or C.I. Comparative sociology of revolutions and the sociological research on social movements. Occasional.

SYP 4454 COS-SOC 3(3,0) Global Inequality and Society: PR: SYG 2000 or C.I. Theoretical and empirical examination of the sociological process of global stratification and the countervailing forces of an emergent anti-globalization social movement. Occasional.

SYP 5140 COS-SOC 3(3,0) Patterns of Violence in Society: PR: SYG 2000 or SYG 2010 or C.I. Social roots, culture, circumstances, prevention, and control of violence. Occasional.

SYP 4521 COS-SOC 3(3,0) Crime Victims in Society: PR: SYG 2000, or SYG 2010 or C.I. Crime victims in society; topics include issues related to victimology such as victimization risks and societal treatment of victims. Occasional.

SYP 4536 COS-SOC 3(3,0) Gangs and Society: PR: SYG 2000 or SYG 2010 or C.I. Gangs in the U.S.; topics include types of gangs, gang members, activities, group processes, and societal responses to gangs. Occasional.


SYP 4631 CAH-THEA 3(3,0) Sociology Through Film: PR: SYG 2000 or ANT 2000 or PSY 2012 or C.I. Developing students' sociological imagination by viewing, discussing, and analyzing films. Occasional.

SYP 4730 COS-SOC 3(3,0) Patterns of Aging in Society: PR: SYG 2000 or SYG 2010 or C.I. Sociological aspects of aging in America. Fall, Spring.

SYP 4732 COS-SOC 3(3,0) Minority Aging: PR: SYG 2000 or SYG 3700 or SYG 4730 or C.I. A sociological examination of older populations within minorities: ethnic minorities, women, and gay men and lesbians. Occasional.

SYP 5005 COS-SOC 3(3,0) Sociological Social Psychology: PR: Graduate standing or C.I. An exploration of sociological social psychological theories and their application in understanding the effects of society and groups on the individual. Occasional.

SYP 5525 COS-SOC 3(3,0) Sociological Criminology: PR: Graduate standing or C.I. To examine current sociological knowledge and research on various issues in Criminology, and to further students' skills in developing/conducting research projects. Occasional.

SYP 5566 COS-SOC 3(3,0) Seminar on Domestic Violence: Theory, Research and Social Policy: PR: Graduate status or senior standing or C.I. A sociological examination and evaluation of the theories, empirical research and social policy related to the study of domestic violence. Occasional.

SYP 5615 COS-SOC 3(3,0) Sociology of Culture: PR: Graduate standing or C.I. Major theoretical approaches and empirical studies in the sociology of culture and analysis of cultural processes. Occasional.

SYP 5738 COS-SOC 3(3,0) Seminar on the Welfare State and Aging: PR: Graduate standing or C.I. A sociological examination of old policies from a cross-cultural perspective. Occasional.

TAX 4001 BA-ACCT 3(3,0) Taxation of Business Entities and Transactions: PR: Junior standing, AGC 3131 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 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 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 2304 CAH-THEA 3(3,0) Script Analysis: PR: Theatre major or minor. Exploration of dramatic form with focus on playscripts for productions. Fall, Spring.

THE 2925L CAH-THEA 1(0,VAR) Theatre Participation: PR: Theatre major or minor. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. Fall, Spring.


THE 3082 CAH-THEA 3(3,0) Theatre Careers: PR: Theatre major or minor; Sophomore standing, and "C" (2.0) or better in THE 2000 or THE 2000. Techniques to secure employment in theatre and related fields. Occasional.

THE 3171 CAH-THEA 3(3,0) That’s Entertainment!: Theatre Experience in Theme Parks, Vegas, and Broadway: PR: THE 2000 or ENC 1102 or FL 1000. The art and craft of theatrical live entertainment. Occasional.

THE 3240 CAH-THEA 3(3,0) Musical Theatre Theatre: 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.
UCF Courses and Descriptions

THE 4543 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 4954 CAH-THEA 0(0,0) Theatre Exit Critique: PR: Theatre Major; Senior Standing. Completion of departmental exit critique. Graded S/U. Fall, Spring.


THE 5215 CAH-THEA 3(3,0) Global Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. An in-depth study of the working knowledge in Theatre.

THE 5237 CAH-THEA 3(3,0) Cultural Diversity in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Commonality of human experience and various groups through the study of dramatic literature. Occasional.

THE 5248 CAH-THEA 3(3,0) Musical Theatre in History: PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese operetta to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability. Fall.

THE 5288 CAH-THEA 3(3,0) Period Costumes, Architecture and Décor I: PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the renaissance. Fall.


THE 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) Theatre for Social Change: PR: Admission into the MFA/MA Theatre programs or C.I. Theatre activists’ impact on theatrical art forms. Occasional.

THE 5910 CAH-THEA 3(3,0) Research Methods in Theatre: PR: MFA and MA in Theatre. Presents knowledge, skills and techniques needed by students to conduct research to include organization, styles, footnotes, and bibliographic forms. Fall.

THE 5945L CAH-THEA 1(0,20) Theatre Practicum I: PR: Graduate status or C.I. A laboratory course designed to develop students’ practical working knowledge in Theatre. Occasional.

THE 5946L CAH-THEA 1(0,20) Theatre Practicum II: PR: Admission into the graduate program, Theatre Practicum I. A laboratory course designed to develop students’ practical working knowledge in Theatre. Occasional.
TPA 4250C CAH-THEA 2(2,2) 2D Computer Assisted Design for Theatre: PR: "C" (2.0) or better in TPA 2211, TPA 2211L, and TPA 2170C. Computer-aided drafting and design technology available for visual communication and documentation. Spring.

TPA 5345C CAH-THEA 2(2,2) Design Practicum II: PR: Admission into the Theatre MFA Design track. Two-dimensional computer drafting and editing techniques applicable to theatre design. Occasional.

TPA 5405 CAH-THEA 3(3,0) Design Practicum III: PR: TPA 5345C. Three-dimensional computer drafting and editing techniques applicable to theatre design. Occasional.

TPA 5406C CAH-THEA 2(2,2) 3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer drafting and editing techniques applicable to theatre design. Occasional.

TPA 5885C CAH-THEA 2(2,2) Puppetry: PR: Admission to MFA graduate program or C.I. Puppetry as an art form in design and performance. Odd Spring. M&S fee $30.00

TPP 3103 CAH-THEA 3(2,2) Shakespearean Acting II: PR: "C" (2.0) or better in TPP 3101. Characterization and character development. Fall, Spring.


TPP 3125C CAH-THEA 2(2,1) Musical Theatre Acting I: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 2110C. Practical acting technique with solo musical theatre repertoire. Fall.

TPP 3137C CAH-THEA 3(2,2) Musical Theatre Acting II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 2110C. Practical acting technique with solo musical theatre repertoire. Spring.

TPP 3145C CAH-THEA 3(2,2) Acting Styles: PR: "C" (2.0) or better in TPP 3103 or TPP 4140C. An advanced and comprehensive view of acting styles. Occasional.

TPP 3197L CAH-THEA 3(0,VAR) Summer Theatre/Performance: PR: Audition/ Interview or departmental consent. Production assignments and responsibilities during the rehearsal/performances of play scripts produced on the UCF mainstage. May be used in the degree program a maximum of 8 times. Occasional. M&S fee $20.00

TPP 3251 CAH-THEA 3(2,2) Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 2110C. Practical acting technique with solo musical theatre repertoire. Fall.

TPP 3252 CAH-THEA 3(3,0) Musical Theatre Acting IV: 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 3258C CAH-THEA 2(2,2) Musical Theatre Voice II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3257C. Artistry of singing including function of music and keyboard problems and interpretation utilizing musical theatre repertoire. Fall.

TPP 3643C CAH-THEA 3(2,2) Acting on Camera: PR: BA Theatre Major; a "C" (2.0) or better in TPP 2101, TPP 3103, and THE 2020. Preparing the actor for professional work in the TV/Film industry. Fall, Spring.
UCF Courses and Descriptions

TPP 4193L CAH-THEA 1(0,VAR)
Theatre Participation-Performance II: PR: Theatre major or minor and "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4221 CAH-THEA 3(3,0)
Auditioning: PR: "C" (2.0) or better in TPP 2170C. Selection of monologues, auditioning techniques and cold readings. Spring.

TPP 4233C CAH-THEA 3(2,2)
Theatre Careers for Performance: PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. Spring.

TPP 4243C CAH-THEA 2(2,2)
Circus Arts: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA 3(2,2)
The Art of Storytelling: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TPP 4253C CAH-THEA 3(2,2)

TPP 4259C CAH-THEA 2(2,2)
Musical Theatre Voice III: PR: "C" (2.0) or better in TPP 5256C. Development and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized instruction. Spring.

TPP 4265C CAH-THEA 3(3,2)
Camera Acting: PR: "C" (2.0) or better in TPP 4142C. Application of previous acting training to the TV/Film medium. Occasional.

TPP 4268C CAH-THEA 3(3,2)
Acting VII Advanced Acting for TV/Film: PR: "C" (2.0) or better in TPP 4265C. A practical, detailed, and structured approach to acting for the camera by working on a TV/Film project. Spring.

TPP 4270C CAH-THEA 2(2,2)
Music Theatre Voice V: PR: "C" (2.0) or better in TPP 4265C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. Spring.

TPP 4271C CAH-THEA 2(2,2)
Music Theatre Voice VI: PR: "C" (2.0) or better in TPP 4265C. Continuation of TPP 4270C and its application to musical theatre performance. Individualized instruction. Fall.

TPP 4311C CAH-THEA 3(3,2)
Advanced Directing for Theatre: PR: "B" (3.0) or better grade in TPP 3310C. Practical experience directing class scenes and projects. Spring.

TPP 4512C CAH-THEA 2(2,2)
Stage Combat: PR: B.F.A Acting or Musical Theatre major; "C" (2.0) or better in TPP 3711C, and Senior standing. Stage combat with emphasis on hand-to-hand combat. Occasional.

TPP 4531C CAH-THEA 2(2,1)
Period Movement: PR: Grade of C (2.0) or better required in TPP 3173C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4730C CAH-THEA 2(2,1)
Dialects: PR: Grade of "C" (2.0) or better required in TPP 3711C. Analysis of dialects and regionalisms, reinforcing the study of phonetics, placement, and vocal apparatus. Occasional.

TPP 4746C CAH-THEA 2(2,2)
Musical Theatre Repertoire: PR: Theatre major and grade of "C" (2.0) or better in TPP 5257C. Advanced musical theatre repertoire study in preparation for professional auditions. May be used in the degree program a maximum of 6 times. Occasional.

TPP 4923C CAH-THEA 2(2,2)
Musical Theatre Voice IV: PR: "C" (2.0) or better in TPP 4265C. Continuation of diagnosis and development of the singing voice using patter song, in-context and out-of-context presentation, stylization utilizing musical theatre repertoire. Individualized instruction. Fall.

TPP 4940L CAH-THEA 6(0,VAR)

TPP 5125C CAH-THEA 2(2,2)
Improvisation Studio: PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA 3(2,2)
Acting Studio I: PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis. Study of acting techniques in modern contemporary American plays. Fall.

TPP 5157C CAH-THEA 3(2,2)
Acting Studio II: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of Ibsen/Chekhov/Shaw. Fall.

TPP 5246C CAH-THEA 2(2,2)
Circus Arts: PR: Admission to Theatre graduate program or C.I. Circus skills and history. Even Spring.

TPP 5248C CAH-THEA 2(2,2)
Storytelling as a Theatrical Art Form: PR: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. Spring.

TPP 5273 CAH-THEA 2(2,0)
Musical Theatre Acting I: PR: TPP 5157C. Integrated study in musical theatre acting, singing and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation. Odd Spring.

TPP 5278C CAH-THEA 1(1,1)
Musical Theatre Lab: PR: TPP 5157C. Practical course in developing musical theatre skills for the actor. Even Fall.

TPP 5289C CAH-THEA 2(2,3)
Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. Odd Fall.

TPP 5386C CAH-THEA 3(3,3)
Directing for Young Audiences: PR: THE 5910 and THE 5385. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 5525 CAH-THEA 2(2,1)
Movement for Musicians: PR: Admission to MFA Musical Theatre program. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. Fall.

TPP 5554C CAH-THEA 2(2,4)
Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterisation in dance. Spring.

TPP 5715C CAH-THEA 2(1,1)
Stage Voice I: PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage; the correct pronunciation of sound, breathing, relaxation of physical tension, and articulation. Fall.

TPP 5716C CAH-THEA 2(2,1)
Stage Voice II: PR: Admission to the MFA Performance program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner’s narrow transition with consonants, review of all Linklater work, and introduction to the work of Arthur Lessac. Spring.

TPP 5754 CAH-THEA 2(2,0)
Musical Theatre Voice I: PR: Admission to MFA Musical Theatre program. Voice study devoted to the diagnosis and development of the singing voice and its application to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA 2(2,2)
Contemporary Practices in Youth Theatre: PR: TPP 5157C. Examination of the characteristics of a young audience and of special presentation needs 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 ESSL Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL). ESSL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESSL. Fall, Spring.

TSL 4240 CAH-LANG 3(3,0)

TSL 4363 CAH-LANG 3(3,0)
ESL Classroom Experiences: PR: TSL 3346 (B- or better). Practical instruction and experiences for future teachers of English conversation. Includes micro-teaching in class as well as 25 hours of experience working with non-native speakers. Spring.

TSL 5085 ED-TL&L 3(3,0)
Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficiency (LEP) students. Florida standards regarding cross-cultural communication, ESSL curriculum, and materials, ESSL methodology, testing and evaluation of ESSL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-LANG 3(3,0)
ESL Strategies: PR: Graduate status or senior standing or C.I. This course will survey cross-cultural communication and understanding, testing and evaluation, curriculum and methods of teaching ESSL 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 ESSL. 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 ESSL reading and writing. Occasional.
TSL 5380 CAH-LANG 3(3,0) Computers and Technology for ESOL: PR: Graduate standing. Focuses on research in computer-assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.

TSL 5525 ED-TL&L 3(3,0) ESOL Cultural Diversity: This course is designed to identify and understand cultural groups represented by the LEPI population in Florida schools and to understand their special needs. Occasional.

TSL 5601 CAH-LANG 3(3,0) Second Language Vocabulary Learning: PR: Graduate standing or C.I. Considers lexical issues encountered by second language learners; explores best practices for learners and their teachers and examines current research for pedagogical application. Occasional.

TSL 5940 CAH-LANG 3(3,0) Issues in TEFL: PR: Graduate status or senior standing or C.I. Addresses issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 3810 ECS-CECE 3(3,0) Highway Engineering: PR: STA 3032 with a grade of C (2.0) or better. Topics such as safety, Intelligent Transportation Systems, and airport capacity, signals, signs, and markings. Fall, Spring.

TTE 4274 ECS-CECE 3(3,0) Transportation Engineering Systems: PR: TTE 3810 with a grade of C (2.0) or better. This functional classification covers: planning, design and operation of transportation facilities. Emphasis is on the highway transportation mode. 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. M&amp;S fee $25.00.

TTE 5204 ECS-CECE 3(3,0) Traffic Engineering: PR: TTE 3810 or C.I. Study of operator and vehicle characteristics, and design for street capacity, signals, signs, and markings. Occasional.

TTE 5256 ECS-CECE 3(3,0) Traffic Operations: PR: TTE 3810 or C.I. Fundamentals and applications that describe traffic operations on highways and streets. Work on real life traffic operations project and report results in class. Fall.

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, stress and deflection, pavement components, design factors such as traffic configurations, environment, and economy. Occasional.

VIC 3001 COS-COMM 3(3,0) Visual Communication: PR: Either SPC 1068, SPC 1600, PAM 1000, or C.I. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

WOH 2012 CAH-HIST 3(3,0) World Civilization I: A topical approach to the study of the rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.


WOH 2022 CAH-HIST 3(3,0) World Civilization II: Rise of modern civilization from 1500 to 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) World Civilization II - Honors: PR: Permission of Honors. Rise of modern civilization from 1500 to the present with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. Occasional.

WOH 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 3200 CAH-WOM 3(3,0) Girls’ Studies: PR: ENC 1102. Girls’ Studies offers an emerging field within Women’s Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.

WST 3371 CAH-WOM 3(3,0) Women and Leadership: PR: ENC 1102. Interdisciplinary and 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) Honors Women, Race and Struggle: PR: Consent of Honors. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. With Honors content. Occasional.

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 1980s, through texts by First and Second Wave Feminists. Occasional.

WST 3561 CAH-WOM 3(3,0) Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.

WST 3621 CAH-WOM 3(3,0) Theories of Masculinity: PR: ENC 1102. Masculinity from feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WST 4002 CAH-WOM 3(3,0) Research in Women and Gender: PR: WST 3015 or C.I. Examination of scholars and research in a variety of areas pertaining to the study of women and gender relations. Occasional.


WST 4022 CAH-WOM 3(3,0) Girls and the Body: PR: ENC 1102 and WST 3020. Feminist theory and practice applied in an examination of body image as it relates to girls in contemporary society. Service learning component. Occasional.


WST 4349 CAH-WOM 3(3,0) Ecofeminism: PR: ENC 1102 and WST 3015. Connections between feminism and the environment. Occasional.

WST 4415 CAH-WOM 3(3,0) Global and Transnational Feminism: PR: ENC 1102 and WST 3015. Feminist theory from a global, multicultural perspective, combined with global feminist activism. Service learning component. Occasional.

WST 5347 CAH-WOM 3(3,0) Research Seminar in Gender Studies: PR: Graduate status or senior standing, or C.I. Research exploring relationships among feminist theorizing, research, and social change, the development of gender studies programs and their relationships to other academic disciplines. Occasional.

WST 5601 CAH-WOM 3(3,0) Theories in Gender Studies: PR: Graduate standing, Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.

ZOO 3701C COM-M&M 3(4,1) Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach the students the skills required for the preparation of structures of interest (specimens). Pre health professional applicants preparing for the basic medical sciences of professional schools. Spring. M&amp;S fee $70.00.

ZOO 3713C COS-BIOL 5(3,6) Comparative Vertebrate Anatomy: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&amp;S fee $65.00.


ZOO 3733H COM-M&M 4(3,3) Honors Human Anatomy: PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Content. Spring.

ZOO 3735C COM-M&M 4(3,2) Exercise Physiology Anatomy: PR: BSC 2010C, or C.I. Gross anatomy for exercise physiology majors. Fall, Spring. M&amp;S fee $15.00.

ZOO 3744 COM-M&M 3(3,0) Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.

ZOO 3755C COM-M&M 4(3,1) Introductory Histology: PR: PCB 3703C or ZOO 3733C or equivalent. Basic principles of tissue staining, techniques, microscopy, cellular structure and other basic concepts. An introduction to the formation and structure of the four basic human tissues: Epithelium, Connective, Muscle &amp; Nervous. Familiarizes students with normal cells, tissues structure and ultrastructure imaging. Odd Fall, Odd Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ZOO 4205C</td>
<td>COS-BIOL</td>
<td>4(3,3)</td>
<td>Biology and Ecology of Metazoan Invertebrates: PR: A &quot;C&quot; (2.0) or better in all the following: BSC 2010C, BSC 2011C, and PCB 3044, or C.I. Anatomy, ecology, taxonomy, behavior, evolution, and parasitological relations of the radiates, bilateria, acelous, pseudocellos, schizocelous, and enterocelous invertebrates. Occasional. M&amp;S fee $22.00</td>
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<tr>
<td>ZOO 4310C</td>
<td>COS-BIOL</td>
<td>4(2,6)</td>
<td>Vertebrate Evolution &amp; Ecology: PR: A &quot;C&quot; (2.0) or better in all the following: BSC 2010C, BSC 2011C, PCB 3044, and PCB 3083, or C.I. Vertebrate evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and fieldwork. Occasional. M&amp;S fee $34.00</td>
</tr>
<tr>
<td>ZOO 4480</td>
<td>COS-BIOL</td>
<td>4(4,0)</td>
<td>Mammalogy: PR: A &quot;C&quot; (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Diversity and biology of mammals from an evolutionary perspective. Even Spring.</td>
</tr>
<tr>
<td>ZOO 4513</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>Animal Behavior: PR: A &quot;C&quot; (2.0) or better in PCB 3044. Study of the current ideas in animal behavior, including the mechanisms of behavior and evolutionary explanations. Odd Fall.</td>
</tr>
<tr>
<td>ZOO 4603C</td>
<td>COS-BIOL</td>
<td>5(3,4)</td>
<td>Embryology/Development: PR: A &quot;C&quot; (2.0) or better in both PCB 3083 and PCB 3023, or PCB 3522, or C.I. Concepts of developmental processes. Emphasis on mechanisms underlying vertebrate development. Spring. M&amp;S fee $22.00</td>
</tr>
<tr>
<td>ZOO 4733C</td>
<td>COM-M&amp;M</td>
<td>4(3,1)</td>
<td>Clinical Neuroanatomy and Neuroscience: PR: ZOO 3733C with a B (3.0) or better. Basic and applied neuroanatomies with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Fall.</td>
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<tr>
<td>ZOO 4743H</td>
<td>COM-M&amp;M</td>
<td>4(3,2)</td>
<td>Honors Clinical Neuroanatomy: PR: ZOO 3733C and Honors consent. Basic and applied neuroanatomies with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Occasional.</td>
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<tr>
<td>ZOO 4747C</td>
<td>COM-M&amp;M</td>
<td>4(3,1)</td>
<td>Clinical Neuroscience: PR: ZOO 3744 or ZOO 4743C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.</td>
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<tr>
<td>ZOO 4753C</td>
<td>COM-M&amp;M</td>
<td>4(3,3)</td>
<td>Vertebrate Histology: PR: ZOO 3733C. Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal-tissue microtechnique. Spring. M&amp;S fee $25.00</td>
</tr>
<tr>
<td>ZOO 5456C</td>
<td>COS-BIOL</td>
<td>4(2,6)</td>
<td>Ichthyology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Occasional. M&amp;S fee $25.00</td>
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<tr>
<td>ZOO 5463C</td>
<td>COS-BIOL</td>
<td>4(2,4)</td>
<td>Herpetology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. Odd Spring. M&amp;S fee $60.00</td>
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<tr>
<td>ZOO 5475L</td>
<td>COS-BIOL</td>
<td>3(0,6)</td>
<td>Field Ornithology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systematics. Occasional. M&amp;S fee $30.00</td>
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<tr>
<td>ZOO 5486</td>
<td>COS-BIOL</td>
<td>4(4,0)</td>
<td>Mammmalogy: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of the diversity and biology of mammals from an evolutionary perspective. Even Spring.</td>
</tr>
<tr>
<td>ZOO 5745C</td>
<td>COM-M&amp;M</td>
<td>4(3,3)</td>
<td>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&amp;S fee $15.00</td>
</tr>
<tr>
<td>ZOO 5748C</td>
<td>COM-M&amp;M</td>
<td>5(3,2)</td>
<td>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.</td>
</tr>
<tr>
<td>ZOO 5749C</td>
<td>COM-M&amp;M</td>
<td>5(3,2)</td>
<td>Clinical Neuroscience: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4743C or ZOO 5748C or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.</td>
</tr>
</tbody>
</table>

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### Undergraduate Catalog 2012-2013

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The date indicates the first year of employment at the University of Central Florida.

ABBAS, HADI , Associate Professor of SVAD (1995), B.F.A., M.F.A. ( Wichita State University) 

ABDALLAH, NAZIH, Lecturer of Electrical Engineering and Computer Science (2005), Ph.D. (University of Paris) 

ABDEL-ATY, MOHAMED, Professor of Engineering, Graduate Program Director (1995), B.S.C.E., M.S.C.E., Ph.D. (University of California at Davis), P.E. (Florida) 

ABEL, EILEEN M., Associate Professor of Social Work. (1978), A.B., M.S.W., Ph.D., ( Case Western Reserve University) 

ABRAHAM, CHARLIE, Associate Professor of SVAD (1995), B.F.A., M.F.A. (Wichita State University) 

ABBAS, HADI , Central Florida. 

The date indicates the first year of employment at the University of Central Florida.

ABDEL-ATY, MOHAMED, Professor of Engineering, Graduate Program Director (1995), B.S.C.E., M.S.C.E., Ph.D. (University of California at Davis), P.E. (Florida) 

AHEARN, DENNIS, Instructor of SVAD (2007), B.F.A, M.F.A (University of Florida) 

ADAMS, JOANNE, Instructor 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) 


AHANGARI, RAHELEH, Assistant Professor (2007), M.D. ( Carol Davila University of Medicine and Pharmacy), Ph.D. (University of Salamanca) 

ALBERT, BRAD, Visiting Assistant Professor of Physics (2010), Ph.D. (Kansas State University) 

AJAYI, RICHARD A., Associate Professor of Finance (1996), B.Sc., M.B.A., Ph.D. (Temple University) 

AKITA, KIMIKO, Associate Professor of Communication (2005), B.A., M.A., Ph.D. (Ohio University) 

AL-DEEK, HAITHAM, Professor of Engineering (1992), B.C.E., M.S., Ph.D. (University of California at Berkeley), P.E. (Florida) 

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ALDERMAN, BARBARA, Assistant Librarian (2002), B.A., M.S. (Florida State University) 

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ALLEN, FRANK R., Associate Director for Administrative Services (1998), B.A., B.S., M.B.A., M.L.S. (University of Tennessee) 

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ALTOMARE, DEBORAH, Assistant Professor (2009), Ph.D. (Rutgers, the State University of New Jersey) 

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AMIDEI, CHRISTINA, Instructor, College of Nursing (2008), F.A.A.N., M.S.N. (Loyola University Chicago) 

AN, LINAN, Associate Professor of Engineering (2001), Ph.D. (Lehigh University) 

ANDERSON, RANDY, L., Howard Phillips Eminent Scholar Chair of Real Estate and Professor of Real Estate (2008), B.A., Ph.D. (University of Alabama) 


ANDREASEN, JANET, Instructor/Coordinator of Education (2005), B.S., M.A., Ed.D. (University of Central Florida) 

ANDREWS, DIANE, Associate Professor, College of Nursing (2006), M.S.N., Ph.D. (University of Central Florida) 

ANGELPOULOS, THEODORE, Professor of Health Sciences and Secondary Joint Professor of Medicine (1998), B.S., M.S., M.P.H, Ph.D. (University of Pittsburgh) 

ANGLEY, PATRICIA, Instructor of English (1998), B.A., M.A., Ph.D. (University of Hawaii) 

ANTHONY, AMANDA, Assistant Professor of Sociolgy (2011), B.A., M.S., Ph.D. (Florida State University) 

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ARCH, PAMELA, Assistant Professor, College of Nursing (2004), M.S.N., Ph.D. (University of Tennessee, Memphis) 

ARMACOST, ROBERT, Special Advisor to the Dean, College of Medicine (1991), D.Sc. (The George Washington University) 

ARNOLD, VICKY J., Chairholder, Ernst & Young Professorship and Professor of Accounting (2005), B.A., M.B.A., Ph.D. (University of Tennessee) 

AROIAN, KAREN, Professor, College of Nursing (2008), F.A.A.N., B.S., M.S., Ph.D. (University of Washington) 

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AYSUN, ULUC, Assistant Professor of Economics (2005), B.S., M.A., Ph.D. (University of California, Davis) 

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BAI, HAIYAN, Assistant Professor of Education (2006), B.A., M.A., Ph.D. (University of Cincinnati) 

BAIUL, I. CORI, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), M.D. 

BAKER, BARRY B., Director, University Libraries (1997), B.A., M.L.S. (Louisiana State University) 

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BALKWILL, DAVID, Professor of Microbiology (2009), Ph.D. (Pennsylvania State University) 

BALLANTYNE, JOHN, Professor of Chemistry (1998), B.S., M.S., Ph.D. (State University of New York at Stony Brook) 

BALLINGER, BETHANY, Assistant Professor of Emergency Medicine (2009), M.D. (University of London) 

BARBER, SARAH, Assistant Professor of Anthropology (2007), Ph.D. (University of Colorado) 

BARFIELD II, RUFUS, Associate Professor of Communication (1998), B.A., M.A., Ph.D. (Howard University) 

BARNES, THOMAS, Courtesy Assistant Professor of Family Medicine (2008), M.D. 

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BARRATT, AMY, Externship Coordinator and Instructor of Communication Sciences and Disorders (2004), B.S., M.A. (University of Central Florida) 

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BARTKEVICIUS, JOCelyn, Associate Professor of English (1994), B.A., M.A., M.F.A., Ph.D. (University of Iowa) 


BASSIOUNI, MOSTAFA, Professor School of Electrical Engineering and Computer Science (1981), B.S., M.S., Ph.D. (Pennsylvania State University) 

BAST, CAROL M., Associate Professor of Legal Studies (1992), B.A., M.A., J.D. (New York Law School) 

BASU, Saptarshi, Assistant Professor of Engineering (2007), Ph.D. (University of Connecticut) 

BATARSEH, ISSA E., Professor Department of Electrical Engineering and Computer Science (1991), B.S., M.S., Ph.D. (University of Illinois at Chicago), P.E. (Florida) 

BATCHELDER, HEATHER, Visiting Assistant Professor (2008), B.A., M.A., Ph.D. (University of Central Florida) 

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BAYE R, CYNTHIA A., Research Assistant, Professor (1996), B.S., Ph.D. (Syracuse University) 

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BLESSETT, BRANDI, Assistant Professor of Public Administration (2010), Ph.D. (Old Dominion University)

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BOARDMAN, LORI, Professor of Obstetrics and Gynecology (2008), M.D. (Columbia University)

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BOLONI, LANDISLAU, Associate Professor Department of Electrical Engineering and Computer Science (2002), B.S., M.S., Ph.D. (Purdue University)

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BOREMAN, GLENN D., Professor, School of Electrical Engineering and Computer Science and Secondary Joint Appointment as Professor, Mechanical, Materials, and Aerospace Engineering (1984), B.S., M.S., Ph.D. (University of Arizona), P.E. (Florida)

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BOSSY-WETZEL, ELLA, Associate Professor (2007), Ph.D. (State University of New York)


BOUGEOIS-SERRANO, ILEANA, Visiting Instructor of Spanish (2010), B.A., M.A. (University of South Florida)

BOZKOBZA, LAURENT, Associate Professor of Music (2004), Diploma (Paris Conservatory)

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BRASEL, NANCY, Instructor of Education (1999), B.S., M.Ed. (University of Central Florida)

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BRENNAN, JOSEPH P., Professor of Mathematics and Secondary Joint Professor, NanoScience Technology Center (2008), B.A. Ph.D. (University of Illinois at Urbana-Champaign)

BRENNEMAN, TODD, Visiting Instructor of Religion and Humanities (2010), M.A., Ph.D. (Florida State University)

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BRIECE, ROANNE, Academic Administrator (2004), B.A., M.A., Ph.D. (University of Central Florida)

BROUGHTON, KARL W., Associate Professor of Theatre (1996), B.F.A., M.F.A. (Pennsylvania State University)

BROWN, JAMES C., Instructor of Theatre (2001), B.F.A., M.F.A. (San Diego State University)

BROWN, TIMOTHY F., Associate Professor of Communication (2005), B.A., M.A., Ph.D. (University of California)

BRUECKNER, THOMAS, Lecturer of Music (2004), M.S., Ph.D. (Montana State University)


BRUNSON, RICK, Instructor of Communication (2003), B.A., M.A. (University of South Florida)

BRYAN, MATTHEW, Instructor of Writing & Rhetoric (2009), B.A., M.F.A. (University of Central Florida)

BRYER, THOMAS, Assistant Professor of Public Administration (2007), B.A., M.P.A., Ph.D. (University of Southern California)


BUCKLEY, JULIE, Assistant Professor of Social Work (2007), B.A., MSW, Ph.D (Florida State University)


BUNN, SUZAN, Internship Coordinator/ Instructor of Hospitality Management (2006), B.A., M.S. (University of Central Florida)

BURDEN, JOE, Assistant Professor (2009), B.S., M.S., Ph.D. (Louisiana State University)

BURG, MARY ANN, Associate Professor of Social Work (2010), B.A, M.SW, Ph.D (University of Florida)

BURRELL, JASON E., Instructor of SVAD (2002), B.A., M.F.A. (University of Cincinnati)

BUSHY, ANGELINE A., Bert Fish Eminent Chair and Professor, College of Nursing (1995), F.A.A.N., M.N., Ph.D. (University of Texas at Austin)

BUTLER, JOHN F., Associate Professor of Communication (1971), B.A., M.A., Ph.D. (University of Florida)

BUTLER, S. KENT, Associate Professor of Education (2007), B.A., M.A., Ph.D. (The University of Connecticut)

BUTTERFIELD, DAVID, Instructor of Economics (2003), B.S., M.S., A.B., M.A., Ph.D. (University of California, Berkeley)
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FOUY, H. EDWARD, Lecturer of Psychology (2007), M.S., Ph.D. (University of New Mexico)

FRANCIS, MADISON K., Professor of SVAD (1996), B.F.A. (Cleveland Institute of Art)

FRAZEE, DONNA, Instructor of Education (2002), B.S., M.A. (University of Central Florida)

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FRENCH, SCOT, Associate Professor of History (2011), B.A., M.A., Ph.D. (University of Virginia)

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GANNON, BARBARA, Assistant Professor of History (2010), B.A., M.A., Ph.D. (Pennsylvania State University)

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GARCIA, MARTHA, Associate Professor of Spanish (2005), B.A., M.A., Ph.D. (Vanderbilt University)

GARCIA, NORA LEE, Associate Professor of Music (1996), B.M., M.M., D.M.A. (University of Miami)

GATCHEV, VLADIMIR, Associate Professor of Finance (2005), B.S., M.S., Ph.D. (Tulane University)

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GAUDNEK, WALTER, Professor of SVAD (1970), M.A., Ph.D. (New York University)

GAUSE, JR., J. RICHARD, Associate Librarian (1998), B.S., M.B.A., M.L.S. (Florida State University)

GAY, DAVID, Associate Professor of Sociology (1989), B.A., M.A., Ph.D. (Duke University)

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GEIGER, CHERIE L., Professor of Chemistry (1996), B.S., Ph.D. (University of South Florida)

GEIGER, CHRISTOPHER, Assistant Professor of Engineering (2004), Ph.D. (Purdue University)

GEIGER, VANCE, Instructor of Anthropology (1994), B.A., M.A., Ph.D. (University of Florida)

GENNARO, ROBERT, Professor Emeritus (1970), Ph.D. (Texas A&M University)


GEORGIOPoulos, Michael, Professor Department of Electrical Engineering and Computer Science (1986), D.I.P.L., M.S., Ph.D. (University of Connecticut), P.E. (Greece)

GERKING, SHELBY, Professor of Economics (2001), B.A., M.B.A., M.A., Ph.D. (Indiana University)

GERMAN, DEBORAH, Dean, College of Medicine and Professor of Internal Medicine (2006), M.D. (Harvard University)

GERSTEIN, MARK, Associate Professor of Film (2000), B.A. (University of Chicago)

GESQUIERE, ANDRE J., Associate Professor of Nanoscience Technology and Joint Nanoscience Professor of Chemistry (2005), B.S., Ph.D. (University of Leuven, Belgium)

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GIBBS, W. ERNEST, Associate Professor of Economics (1987), B.S., M.B.A., M.A., Ph.D. (Rutgers University)

GIBSON, JANE, Professor of Pathology (2008), Ph.D. (University of Florida)

GISS, SALLY ANN, Instructor of Communication Sciences and Disorders (2006), B.A., M.A., Ph.D. (University of Florida)

GILKESON, JAMES H., Associate Professor of Finance (1994), B.S., M.S.M., Ph.D. (Duke University)

GILM SE, MICHEL C., Associate Professor of Education (2002), B.A., M.A.E., Ph.D. (UNIVERSITY OF FLORIDA)

GILLIAM, AMY, Adjunct Instructor (2007), Ph.D. (University of Arizona)

GIORDANO, PAUL, Chair and Neil R. Euliano Professor of Italian (2004), B.A., M.A., Ph.D. (Indiana University)

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GOLDWATER, PAUL M., Associate Professor of Accounting (1989), B.Comm., B.A. M.B.A., Ph.D. (Louisiana State University-Baton Rouge)

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GOODMAN, STEPHEN H., Assistant Professor of Engineering (2006), B.S., M.S., Ph.D. (Georgia Tech.)

GORDON, FON, Associate Professor of History (2001), B.A., M.S.E., Ph.D. (University of Arkansas)

GORMAN, LAUREL, Assistant Professor of Pharmacology (2009), Ph.D. (Louisiana State University)

GOU, JINHUA, Associate Professor of Engineering (2007), Ph.D. (Florida State University)

GRAHAM, EMILY, Visiting Assistant Professor of History (2009), B.A., M.Litt., Ph.D. (University of St. Andrews)

GRAHAM, RITA, General Education Coordinator and Instructor of Communication (2003), B.A., M.A., Ph.D. (University of Florida)

GRAJEDA, ANTHONY, Associate Professor of English (2001), B.A., M.A., Ph.D. (University of Wisconsin-Milwaukee)

GRAUERHOLZ, ELIZABETH, Professor of Sociology (2005), B.A., M.A., Ph.D. (Indiana University)

GRAY, DAVID, Capt., USAF, Assistant Professor of Aerospace Studies (2008), B.A. (George Mason University)

GREENWOOD, ANGELA, Instructor of Communication Sciences and Disorders (2006), B.A., M.A. (University of Central Florida)

GREGG, PAUL, Instructor of Finance (2004), B.S.B.A., M.S. (University of Central Florida)

GRESHAM, REGINA, Associate Professor of Education (2003), B.S., M.A., Ed.S., Ph.D. (University of Alabama)

GRIFTHS, BARRY, Instructor of Mathematics and Math Lab Director (2002), B.S., M.S., M.A. (University of Florida)

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GROSS, ARIANA, Instructor, College of Nursing (2008), B.S.N., M.S.N. (Jacksonville University)

GRULA, RICHARD, Lecturer, FIEA (2008), B.A., M.S. (University of Central Florida)

GUHA, ARUP, Lecturer School of Electrical Engineering and Computer Science (1996), B.S., M.S. (University of Wisconsin)

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<th>Affiliation</th>
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<td>Borsch, Karl-Heinrich</td>
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<td>Bass, Michael</td>
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<td>Baumbach, Donna J.</td>
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<td>Bledsoe, Robert L.</td>
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McELLON, WALDRON, Professor Emeritus of Engineering (2008), B.S., B.C.E., M.C.E., M.S. (Physics), M.S. (Engr), Ph.D. (Rensselaer Polytechnic Institute)

MICARELLI, CHARLES N., Dean and Professor Emeritus of Foreign Languages and Literatures (1967), B.A., M.A., Ph.D. (Boston University)

MILLER, ERNEST E., Professor Emeritus of Education (1968), B.S., M.S., Ed.D. (University of North Dakota)

MORGAN, BEN B., JR, Professor Emeritus of Psychology (1988), B.A., M.A., Ph.D. (University of Louisville)

MORSE, LUCY C., Associate Professor Emeritus of Engineering Technology (1983), B.A., M.S., Ph.D. (University of Central Florida)

MUKHERJEE, AMAR, Professor Emeritus, Electrical Engineering and Computer Science (1979), B.S., M.S., Ph.D. (University of Calcutta)

MULLIN, THOMAS A., Associate Professor Emeritus of Communication Sciences and Disorders (1972), B.A., M.S., Ph.D. (Syracuse University)

NICHOLSON, DAVID W., Professor Emeritus, Mechanical, Materials, and Aerospace Engineering (1990), B.S., M.S., M.Phil., Ph.D. (Yale University)

O'KEEFE, M. TIMOTHY, Professor Emeritus of Communication (1968), B.A., M.A., Ph.D. (University of North Carolina)

OMANS, STUART E., Professor Emeritus of English (1968), B.A., M.A., Ph.D. (Northwestern University)

OSBORNE, JOHN A., Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Kansas State University)

OSTLE, BERNARD, Professor Emeritus of Statistics (1967), B.A., M.A., Ph.D. (Iowa State University)


PANOUSIS, PETER, Dean Emeritus, College of Science (2000), B.S., Ph.D. (Iowa State University)

PAUL, GORDON W., Professor Emeritus of Marketing (1977), B.S., M.B.A., Ph.D. (Michigan State University)

PAULEY, BRUCE F., Professor Emeritus of History (1971), B.A., M.A., Ph.D. (University of Rochester)

PAWLAS, GEORGE E., Professor Emeritus, Teaching, Learning, and Leadership (1991), B.S., M.Ed., Ph.D. (University of South Carolina)

PHILLIPS, RALPH L., Professor Emeritus of Engineering Science and Mathematics (1970), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)

PICKERING, ROY, Professor Emeritus, Music (1979), B.M.E., M.M. (Indiana University)

PLATT, JENNIFER C., Professor Emerita, Child, Family, and Community Sciences (1985), B.S., M.S., Ed.D. (West Virginia University)

PRITCHARD, ROBERT D., Professor Emeritus, Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)

PRYOR, ALBERT, Professor Emeritus of Communication (1972), B.S., M.A., Ph.D. (University of Michigan)

PYLE, RANSFORD C., Associate Professor Emeritus of Legal Studies (1976), A.B., M.A., J.D., Ph.D. (University of Florida)


ROHTER, FRANK D., Professor Emeritus of Accounting (1968), B.S., M.Ed., Ph.D. (University of Southern California)

ROLLINS, JACK B., Professor Emeritus of Psychology (1969), B.S., M.S., Ph.D. (University of Georgia)

RUBIN, RONALD S., Professor Emeritus of Marketing (1972), B.A., M.A., Ph.D. (University of Massachusetts)

SALTER, JOHN H. III, Chairholder, Ernst & Young Professorship and Professor Emeritus of Accounting (1975), B.S., M.S., Ph.D. (Louisiana State University)

COURTESY APPOINTMENTS

ABDELRAHIM, MAEN A., Courtesy Associate Professor of Biomolecular Science Center
(Arizona State University)

AGUIRRE, LILIAN, Courtesy Instructor of Nursing
(University of Central Florida)

ANAGNOSTOPOULOS, GEORGIOS, Courtesy Assistant Professor
(University of Central Florida)

ANDREWS, LARRY C., Professor Emeritus of Mathematics
(University of Michigan)

ARLEN, PHILIP A., Courtesy Assistant Professor
(Tulane University)

AWE, JAIME J., Courtesy Professor of Anthropology
(University of California, Los Angeles)

BAKER, PAUL, Courtesy Professor
(University of Utah)

BASU, SAPTARSHI, Courtesy Faculty
(University of Connecticut)

BEACH, KEVIN, Assistant Research Professor of Biology
(University of Washington)

BELLOW, DAVID, Courtesy Associate Professor of Biomolecular Science Center
(University of Washington)

BETTINGER, TAMARA, Assistant Professor of Biology
(University of California, Los Angeles)

BILLINGS, JOSEPH B., Clinical Faculty, Athletic Training; Courtesy Assistant Professor of Orthopedic Medicine
(Philadelphia College of Osteopathic Medicine)

BONDAR, MYKHAILO, Visiting Professor of Chemistry
(University of Florida)

CHANG, NI-BIN, Secondary Joint Professor of Industrial Engineering and Management Systems
(University of Central Florida)

CHEN, PHILLIP, Courtesy Assistant Professor of Molecular Biology and Microbiology
(University of Alabama at Birmingham)

CHITICK, ELIZABETH, Assistant Research Professor of Biology
(Tulane University)

CHOW, LOUIS C., Secondary Joint Professor of Optics & Photonics
(University of California, Berkeley)

COBB, KATHY, Courtesy Adjunct Instructor, Educational Research, Technology, and Leadership
(U CCC)

COFFEY, KEVIN, Secondary Joint Professor of Electrical Engineering and Computer Science
(University of California, Berkeley)

DEATON, JOHN, Assistant Professor of Psychology
(University of Texas at Austin)

DEFREESE, DUANE, Visiting Associate Professor of Anthropology
(University of California, Berkeley)

Demara, ronald f., secondary joint associate professor of Biology
(University of Southern California)

Dempsey-walls, susan, courtesy Clinical Faculty, College of Nursing
(University of Southern California)

Deyrup, mark, assistant professor of Biology
(University of Michigan)

DHERE, NEELKANTH, research professor of mechanical engineering and secondary joint professor of Electrical Engineering
(University of California, Berkeley)

Dolak, michael a., courtesy Professor of Health Services Administration
(University of Southern California)

Dolak, michael a., courtesy Professor of Health Services Administration
(University of Southern California)

Dolak, michael a., courtesy Professor of Health Services Administration
(University of Southern California)
**Courtesy Appointments**

**DRAKE, JASON**, Courtesy Research Assistant Professor of Biology (2004), B.S., M.S., Ph.D. (University of Maryland)

**DUCHEMIE, ALFRED**, Courtesy Assistant Professor of Optics and Photonics. (2005), B.S., E.E., PhD (University of Central Florida)

**DUPRAS, TOSHA LEA**, Secondary Joint Assistant Professor of Biology (2003), B.A., M.S., Ph.D. (McMaster University)

**DURANCEAU, STEVEN**, Secondary Joint Associate Professor of Nanoscience (2009), AA, BS, MS, PhD (University of Central Florida)

**EASTES, RICHARD W.**, Secondary Joint Assistant Professor of Electrical Engineering (2006), B.S., M.A., Ph.D. (The Johns Hopkins University)

**FIELD, MELVIN**, Courtesy Associate Professor Biomolecular Science (2006), M.D. (University of Florida), Diplomat of the National Board of Medical Examiners

**FOLSE, KEITH**, Secondary Joint Professor (2009), M.A., Ph.D. (University of South Florida)

**FRANKLIN, RAYMOND**, Courtesy Professor, MLS, Department of Molecular Biology and Microbiology; Courtesy Assistant Professor of Pathology M.D., Ph.D. (University of Texas)

**FRIEDMAN, DAVID**, Courtesy Adjunct Professor of Biology (2007).

**FULLERTON, STUART**, Biological Research Associate (1995), B.S. (University of Central Florida)

**GARIBAY, IVAN**, Secondary Joint Instructor School of Electrical Engineering and Computer Science (2007), Ph.D. (University of Central Florida)

**GARLAND, JAY**, Instructor School of Electrical Engineering and Computer Science (2007), B.M. (Curtis Institute of Music)

**GOLDBERG, STEVEN**, Courtesy Associate Professor of Psychology; Chief, Orlando Field Unit, US Army Research Institute (1994), B.A., Ph.D. (State University of New York at Buffalo)

**GOODMAN, IRA**, Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (Medical College of Pennsylvania), Board certified, Neurology (American Board of Psychiatry and Neurology)

**GOODWIN, KENNETH**, Courtesy Assistant Director, Career Services and Experiential Learning (2006)


**GORHAM, JAYNE S.**, Courtesy Adjunct (2007), Ed.D. (Nova Southeastern University)

**HEINONEN, OLLE**, Associate Professor of Physics (1989), B.S., Ph.D. (Case Western Reserve University)

**HERBST, LAWRENCE**, Assistant Research Professor of Biology (2002), B.A., M.S., D.V.M., Ph.D. (University of Florida)

**HERNANDEZ, FLORENCIO E.**, Secondary Joint Assistant Professor of Optics & Photonics. (2006), B.S., Ph.D. (Universidad Central de Venezuela)

**HICKEY, MICHAEL H.**, Associate Professor of Physics (2003), Ph.D. (La Trobe University)

**HICKMAN, JAMES**, Secondary Joint Professor (2009), MS, PhD (Massachusetts Institute of Technology)

**HIGBEE, RUSSELL**, Courtesy Professor of Molecular Biology and Microbiology (2004), D.V.M. (Oklahoma State University)

**HILL, DON-MICHAEL**, Courtesy Adjunct Instructor (2010), B.M. (Curtis Institute of Music)

**HOLSENBECK, DANIEL**, Courtesy Professor of Communication (2009), BS, M.Ed., Ph.D. (Florida State University)

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**HUANG, XU**, Courtesy Visiting Scholar (2007), BS, M.B.A., Ph.D. (Southwestern University of Finance and Economics)

**HUBSCH, TRISTAN**, Courtesy Graduate Faculty Scholar (2009), BS, Ph.D (University of Maryland)

**HUSSAIN, SABER**, Courtesy Professor (2010), Ph.D. (Osmania University)

**JARVIS, JOHN**, Courtesy Research Associate Professor of Sociology (2006), B.A., B.S., M.A., Ph.D. (University of Virginia)

**JEDILCA MORRIS, LORI**, Courtesy Research Associate Professor of Biology (2004), M.A. (College of William and Mary)

**JOHNSON, NANCY M.**, Courtesy Clinical Nurse Specialist (2006), B.S., M.S.N. (University of Evansville, Indiana)

**KAPLAN, MICHAEL**, Professor of Psychology (2005), B.S., M.A., Ph.D. (Columbia University)

**KAPPOOR, VIKRAM**, Courtesy Professor Department of Electrical Engineering and Computer Science (2004), Ph.D. (Lehigh University)

**KAR, ARAVINDA**, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (2005), B.S., M.S., Ph.D. (University of Illinois at Urbana-Champaign)

**KELLY, DANIEL P.**, Courtesy Professor of Biomedical Sciences, Biomolecular Science Center (2008), M.D.

**KENNEDY, ROBERT S.**, Professor of Psychology (2002), B.A., M.A., Ph.D. (University of Rochester)

**KENNEY, ROBERT F.**, Assistant Professor of School of Film and Digital Media and Secondary Joint Assistant Professor of Educational Research, Technology, and Leadership (2005), B.A., M.A., Ph.D. (University of Florida)

**KIM, JONG**, Courtesy Research Scientist (2009), BS, MS, PhD (Pennsylvania State University)

**KINCAID, J. PETER**, Professor of Psychology and Senior Research Scientist, Modeling and Simulation and Secondary Joint Professor of Medical Education (2007), B.A., M.A., (Ohio State University)

**KRUPP, LINDA**, Courtesy Adjunct Instructor, Educational Studies (2007), Ed.D. (University of Florida)

**KUCHMA, MELISSA**, Courtesy Visiting Scientist (2006), Ph.D. (Massachusetts Institute of Technology)

**KYLE, TIFFANY LINKOVICH**, Courtesy Research Assistant Professor of Psychology (2007), B.A., M.S., Ph.D. (University of Central Florida)

**LEE, HAEJONG**, Courtesy Research Associate in Public Affairs (2005), Ph.D. (Yonsei University, Seoul, Korea)

**LEHMANN, JEFFREY**, Clinical Professor in Communication Sciences and Disorders; Courtesy Assistant Professor of Otolaryngology (2003), University of Wisconsin)

**LENNON, KATHERINE**, Courtesy Assistant Research Professor of Biology (2005), Ph.D. (University of Georgia)

**LELI, DANO**, Courtesy Clinical Assistant Professor of Psychology (2009), BA, MS, PhD (University of South Florida)

**LEUENBERGER, MICHAEL N.**, Secondary Joint Assistant Professor of Electrical and Computer Engineering (2005), B.S., M.S., Ph.D. (University of Basel, Switzerland)

**LI, GUIFANG**, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1997), Ph.D. (University of Wisconsin-Madison)

**LIEBERMAN, R. JANE**, Chair and Professor of Communication Sciences and Disorders (2000), B.S., M.S., Ph.D. (University of Florida)

**LIKAWWA, PATRICK, L.**, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1983), Ph.D. (University of Sheffield)

**LOGALBO, ANTHONY**, Courtesy Clinical Assistant Professor of Psychology (2009), BA, MA, PhD (University of Alabama at Birmingham)

**LOUDNER, BARRY A.**, Clinical Faculty, Health Services Administration; Courtesy Associate Professor of Medical Education D.D.S., M.S., Ph.D. (University of Florida)

**LUPO, GIOVANNI**, Thesis Committee Courtesy (2010), M.D. (University of Palermo)

**MARATHE, SHIRAM**, Courtesy Assistant Professor - Public Affairs (2007).

**MARTIN, LAWRENCE**, Professor, Public Administration and Public Affairs, Joint Appointment (2004), Ph.D. (Arizona State University)

**MARTIN, SCOTT**, Courtesy Faculty (2010), Ph.D., M.S. B.S. (University of Washington)

**MASRI, ADDAM**, Nursing Thesis Committee Courtesy (2010), M.D. (University of Florida)

**MASUNO, ARTEM E.**, Secondary Joint Associate Professor of FSEC and Physics (2009), BS, MS, Ph.D. (The City University of New York)

**MAYER, DAVID**, Secondary Joint Appointment, Assistant Professor of Psychology (2005)

**MCNEES, PATRICK**, Courtesy Faculty Associate, School of Nursing (2002), University of Florida

**MCPEHRSON, BRENDA**, Faculty Associate, Educational Studies (2003)

**MEEEKS, SANFORD**, Courtesy Graduate Faculty Scholar (2009), BS, MS, PhD (University of Florida)

**MELLEN, JILL**, Assistant Research Fecutor of Biology (1999), B.S., M.S., Ph.D. (University of California, Davis)

**MENGES, ERIC**, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Wisconsin)

**MIHAI, FLORIN**, Secondary Joint Assistant Professor (2009), M.S., Ph.D. (The Florida State University)
<table>
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<tr>
<th>Name</th>
<th>Position</th>
<th>University</th>
<th>Degree(s)</th>
</tr>
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<tbody>
<tr>
<td>MUNDY, CAROL</td>
<td>Courtesy Culture Keeper for African American Studies Program</td>
<td>(2009), BA, Ph.D (Nova University)</td>
<td></td>
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<tr>
<td>NADLER, JODI</td>
<td>Courtesy Clinical Assistant Professor of Psychology</td>
<td>(2009), BA, Ph.D (Michigan State University)</td>
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<tr>
<td>NICHOLS, JAMES</td>
<td>Courtesy Professor of Biology</td>
<td>(2004), B.S., M.S., Ph.D. (University of Central Florida)</td>
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<tr>
<td>NICHOLSON, DENISE</td>
<td>Secondary Joint Assistant Professor of Industrial Engineering and Management Systems</td>
<td>(1997), B.S., M.S., Ph.D. (University of Arizona)</td>
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<tr>
<td>ODELL, DANIEL KEITH</td>
<td>Professor of Biology</td>
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<tr>
<td>OGDEN, JACQUELINE J.</td>
<td>Assistant Research Professor of Biology</td>
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<tr>
<td>ONIAL, THOMAS</td>
<td>Secondary Joint Assistant Professor</td>
<td>(2010), Ph.D. (University of Florida)</td>
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<tr>
<td>ONIK, GARY M.</td>
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<tr>
<td>ORLANDO, THOMAS</td>
<td>Courtesy Assistant Professor of Physics &amp; Nanophotonics</td>
<td>(2004), B.A., M.S., Ph.D. (University of Minnesota)</td>
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<tr>
<td>PATTISAPU, JOGI</td>
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<td>(2003), M.D. (University of Texas Medical Branch)</td>
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<tr>
<td>PEALE, ROBERT E.</td>
<td>Secondary Joint Professor of Optics &amp; Photonics</td>
<td>(2004), Ph.D. (University of Iowa)</td>
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<tr>
<td>PHILLIPS, RONALD</td>
<td>Courtesy Visiting Scholar</td>
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<tr>
<td>PHILLIPS, RONALD L.</td>
<td>Secondary Joint Professor of Optics &amp; Photonics</td>
<td>(2004), B.S.E., M.S.E., Ph.D. (Arizona State University)</td>
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<tr>
<td>PICOU, STEVEN</td>
<td>Courtesy Professor of Sociology</td>
<td>(2004), B.A., M.A., Ph.D. (Louisiana State University)</td>
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<tr>
<td>PRITCHARD, PETER C. H.</td>
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<td>(1994), B.A., M.A., Ph.D. (University of Florida)</td>
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</tr>
<tr>
<td>REDFOOT, WILLIAM</td>
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<td>(1999), B.A., M.A., M.S. (University of Florida)</td>
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<tr>
<td>RICHARDSON, MARTIN</td>
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<tr>
<td>RIVERS, ROSE</td>
<td>Nursing Thesis Committee</td>
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<tr>
<td>SALTISBY, BRIAN</td>
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<td>(2008), B.A., M.S., Ph.D. (University of Florida)</td>
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<tr>
<td>SANTARA, SWADESHMUKUL</td>
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<td>(2006), B.S., M.S., Ph.D. (Indian Institute of Technology)</td>
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<tr>
<td>SCHNEIDER, KIMBERLY</td>
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<tr>
<td>SCHULTE, ALFONS</td>
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<td>(2004), Dr. rer. nat. (Technische Universität München)</td>
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<tr>
<td>SCHUTZ, LARRY</td>
<td>Courtesy Clinical Professor</td>
<td>(2007), Ph.D. (Wayne State University)</td>
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</tr>
<tr>
<td>SHAH, MUBARAK A.</td>
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<td>(1986), B.E.E., M.S., Ph.D. (Wayne State University)</td>
<td></td>
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<tr>
<td>SHERIN, KEVIN</td>
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<td>(2006), B.A., M.A., M.S. (University of Florida)</td>
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<tr>
<td>SHIHARA, JAY DAVIN</td>
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<tr>
<td>SHI, RONGSHENG</td>
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<tr>
<td>SHOAIB, STEVE</td>
<td>Professor, Marketing</td>
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<td></td>
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<tr>
<td>SMITH, STEVEN</td>
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<td>(2010), M.D. (University of Texas)</td>
<td></td>
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<tr>
<td>SOILEAU, M. J.</td>
<td>Secondary Joint Professor Department of Electrical Engineering and Computer Science</td>
<td>(2004), Ph.D. (University of California, Los Angeles)</td>
<td></td>
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<tr>
<td>SORLOA CIA-HICKMAN N.</td>
<td>Assistant Professor, Solar Energy and Secondary Joint Visiting Assistant Professor of NanoScience Technology</td>
<td>(2006), Ph.D. (University of Southern California)</td>
<td></td>
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<tr>
<td>STERN, ALAN</td>
<td>Courtesy Graduate Faculty Scholar</td>
<td>(2009), B.S., M.D., Ph.D. (University of Colorado)</td>
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<tr>
<td>STEWART, DUANE</td>
<td>Secondary Joint Assistant Professor of Medical Education</td>
<td>(2007), Ph.D. (University of Florida)</td>
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<tr>
<td>STOLEN, ERIC</td>
<td>Courtesy Research Assistant Professor of Biology</td>
<td>(2010), Ph.D. (University of Florida)</td>
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<tr>
<td>STREIFELER, JAMIE</td>
<td>Courtesy Adjunct Instructor</td>
<td>(2009), M.M. (University of South Carolina)</td>
<td></td>
</tr>
<tr>
<td>SUKHANKAR, RAHAL</td>
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<td>(2007), Ph.D. (University of Southern California)</td>
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<tr>
<td>Sweeney, Paul D.</td>
<td>Professor of Psychology</td>
<td>(1995), Ph.D. (University of Virginia)</td>
<td></td>
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<tr>
<td>THEIS, ELIZABETH</td>
<td>Courtesy Instructor</td>
<td>(2010), M.A. (University of Iowa)</td>
<td></td>
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<tr>
<td>VAHAMAA, SAMI</td>
<td>Finance Visiting Scholar</td>
<td>(2008), Ph.D. (University of Vaasa)</td>
<td></td>
</tr>
<tr>
<td>VALES, EDUARDO V.</td>
<td>Associate Research Professor of Biology</td>
<td>(2002), M.S., Ph.D. (University of Guelph)</td>
<td></td>
</tr>
<tr>
<td>VANN STRYLAND, ERIC W.</td>
<td>Dean and Director, Professor of Optics</td>
<td>(1998), B.S., Ph.D. (University of Arizona)</td>
<td></td>
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<tr>
<td>VITANOVA, GERGANA</td>
<td>Secondary Joint Associate Professor of Optics and Photonics</td>
<td>(2009), M.A., Ed.D. (University of Cincinnati)</td>
<td></td>
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<tr>
<td>WARREN, WILLIAM</td>
<td>Courtesy Associate Professor of Molecular Biology and Microbiology</td>
<td>(2008), Ph.D. (Pennsylvania State University)</td>
<td></td>
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<tr>
<td>WASHINGTON, KEVIN</td>
<td>Courtesy Consultant, International Title: Professional Development Appointee for African American Studies Program</td>
<td>(2009), Ph.D (Texas A&amp;M University)</td>
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<tr>
<td>WATSON, STEPHEN M.</td>
<td>Secondary Joint Professor School of Electrical Engineering and Computer Science</td>
<td>(2004), B.S., M.S., Ph.D. (University of Notre Dame)</td>
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<td>WEEKS, ARTHUR</td>
<td>Secondary Joint Associate Professor of Optics &amp; Photonics</td>
<td>(2004), B.S., M.S.E., Ph.D. (University of Central Florida)</td>
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<tr>
<td>WESTERVELD, MICHAEL</td>
<td>Courtesy Clinical Assistant Professor of Psychology</td>
<td>(2009), B.S, Ph.D (Fairleigh Dickinson University)</td>
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<tr>
<td>WHEELER, RAYMOND</td>
<td>Professor, Biology</td>
<td>(2003), (Utah State University)</td>
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<tr>
<td>WIEGAND, RUDOLF</td>
<td>Secondary Joint Professor of Electrical Engineering and Computer Science</td>
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<tr>
<td>WILLIS, JAYNE</td>
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<td>(2005), B.S.N., M.S.N. (University of Florida)</td>
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<tr>
<td>WITHINGTON, BLAIR</td>
<td>Research Assistant Professor, Biology</td>
<td>(1999), B.S., M.S., Ph.D. (University of Florida)</td>
<td></td>
</tr>
<tr>
<td>WOJCIAN, PAWEŁ</td>
<td>Associate Professor, School of Electrical Engineering and Computer Science, Secondary Joint Associate Professor of Mathematics</td>
<td>(2009), M.S. (University of Karlsruhe)</td>
<td></td>
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<tr>
<td>WU, SHIN-TSON</td>
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<td>(2004), B.S., Ph.D. (University of Southern California)</td>
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<tr>
<td>WU, THOMAS XINZHANG</td>
<td>Secondary Joint Associate Professor</td>
<td>(2009), B.S., Ph.D (The Moore School of Electrical Engineering)</td>
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<tr>
<td>YOUNT, JIM</td>
<td>Courtesy Adjunct Instructor, Educational Studies</td>
<td>(2007), Ph.D. (Florida Institute of Technology)</td>
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<tr>
<td>ZARDA, P. RICHARD</td>
<td>Research Professor of Mechanical Engineering</td>
<td>(2009), B.A., M.A., Ph.D. (University of Florida)</td>
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<tr>
<td>ZHAO, LEI</td>
<td>Secondary Joint Associate Professor</td>
<td>(2009), B.S., M.S. (University of South China)</td>
<td></td>
</tr>
<tr>
<td>ZHANG, NING</td>
<td>Secondary Joint Assistant Professor</td>
<td>(2009), B.S., M.A., Ph.D. (University of Florida)</td>
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</tr>
<tr>
<td>ZHOU, HUIYANG</td>
<td>Courtesy Faculty</td>
<td>(2010), Ph.D. (University of South Carolina)</td>
<td></td>
</tr>
</tbody>
</table>
UCF Administrative Officers and Staff

**ADMINISTRATIVE OFFICERS AND STAFF**

ABNEY, BARBARA COMPTON, Director, Marketing/Communications, Office of Research & Commercialization (1997), BS in Journalism (University of Florida)

ARCHER, SANDRA, Director, University Analysis and Planning Support (2004), B.A., M.S., Ph.D. (University of Central Florida)

AZURE, BEVERLY, Director, Academic Services (2000), B.S., M.A. (University of Central Florida)

BALANOFF, JANET P., Director, Equal Opportunity and Affirmative Action Programs (1980), B.S.J., M.S.P.A. (Florida State University)

BEARY, RICHARD, Assistant Vice President for Safety and Security and Chief of Police (2007), B.A., M.S. (University of Central Florida)

BERRY, ANDREA, Director, Faculty Development, College of Medicine (2009), M.P.A. (Grand Valley State University)

BERSIA, JOHN, Special Assistant to the President, Global Perspectives (2001), M.A., M.S. (London School of Economics)

BISHOP, RHONDA, Chief Compliance and Ethics Officer (2011), M.B.A. (Virginia Commonwealth University)

BOHLEN, PATRICK, Director, Landscape and Natural Resources and Arboretum and Professor of Biology (2010), B.S., M.S., Ph.D. (Ohio State University)

BORDEN, M. PAIGE, Assistant Vice President, Institutional Knowledge Management, and University Data Administrator (1996), B.A., M.B.A., Ed.D. (University of Central Florida)

BOSTON, BELINDA, Assistant Vice President, Student Development and Enrolment Services (2004), B.S., M.S. (Western Illinois University)

BOYD, BRIAN, University Registrar (2006), B.S., M.B.A. (University of Wisconsin-Milwaukee)

BRADFORD, DEBORAH, Director, Enrolment Services, UCF Regional Campuses (2010)

BRADLEY, LINDA, Assistant Vice President and Director, UCF Daytona Beach (2007), B.A., M.S., Ph.D. (Florida State University)

BRADY, PAMELA A., Director, Student Services, Western Region (1990), A.A., B.A. (University of Central Florida)

BULGER, SANDRA, Director of Undergraduate Services (1989), B.A., M.A. (University of Central Florida)

CHANDIA, NATALY, Director, International Services Center (2003), B.A., M.P.A. (University of Central Florida)

CHASE, DIANE Z., Executive Vice Provost, Pegasus Professor, and Professor of Anthropology (1984), B.A., Ph.D. (University of Pennsylvania)

CHAvS JR., GORDON D., Associate Vice President for Undergraduate Admissions, Student Financial Assistance, and Student Outreach (1999), B.A., J.D. (Georgetown University)

CHEREPOW, SANDRA M., Senior Administrative Assistant to the President (1972), A.A. (Becker Junior College)

CLARK, TRACI, Assistant Vice President for Finance and University Controller (2007), B.B.A., J.D. (University of Cincinnati)

COLE, W. SCOTT, Vice President & General Counsel (2002), B.S., J.D. (University of Florida)

CONSTANTINO, PAUL, Director, Activity and Service Fee Business Office (2007), A.S., B.S. (State University of New York College at Brockport)

DAVIS, JAMES, Interim Director, Facilities Planning (2003), B.D., M.S. (University of Tennessee)

DEICHERN, MICHAEL, Director, Health Services (2001), B.S., M.D., M.P.H. (University of South Florida)

DONEGAN, HELEN, Vice President for Community Relations (1995), B.A. (San Jose State University)

DORMAN, TERESA, Assistant Dean, College of Sciences (1996), B.S., M.A., Ed.D. (University of Central Florida)

DORNER, JOYCE E., Interim Vice Provost of Regional Campuses (1980), M.S.N. (University of Florida)

DRESSLER, SHERI, Director, Experimental Learning (1982), B.A., M.S.W., Ph.D. (University of Florida)

DULLAGHAN, PATRICIA, Director, Student Legal Services (1996), B.A., J.D. (Nova Southeastern University)


EHASZ, MARIBETH, Vice President for Student Development and Enrolment Services (1994), B.S., M.A., Ph.D. (University of Toledo)

EKERN, SHARON L., Associate Vice President, Student Development and Enrolment Services (1990), B.A., M.P.A., Ed.D. (University of Central Florida)

FERNANDEZ, JOSE, Dean, Professor of Spanish and History (1981), B.A., M.A., Ph.D. (Florida State University)

FORTIER, VANESSA, Associate Vice President, Finance (1986), B.S.B.A., M.B.A. (University of Central Florida)

GARDNER, DAN, Director, Assessment, College of Medicine (2008), Ed.D. (Florida Atlantic University)

GERMAN, DEBORAH C., Vice President for Medical Affairs and Dean, College of Medicine (2005), B.S., M.D. (Harvard Medical School)

GLASPEY, HENRY, Director, IT, College of Medicine (2002), M.S.I.E. (University of Central Florida)

GONZALEZ, LYNN, Associate Vice President, Budget and Personnel Administration (1991), B.A., M.B.A. (University of Central Florida)

GRAY, BETSY L., Associate Director, Office of Research & Commercialization, and Chief Operating Officer, UCF Research Foundation (1972), B.S.B.A. (University of Central Florida)

GUMBLE, MARK, Assistant Vice President, Student Development and Enrolment Services (2005), B.A. (Binghamton University)

HALL, RHONDA C, Director, Student Outreach Programs (1993), B.A., M.A. (University of Central Florida)

HALL, THOMAS, Director, Wellness and Health Promotion Services (2005), B.S., M.S. (Florida State University)

HALPIN, SUZANNE M., Director, Student Union (1998), B.S. (Bentley College)

HANSEN, LYNN, Executive Director, Career Services (2008), A.A., B.S., M.Ed. (University of West Florida)

HARMES, ALFRED G., Vice President, Strategy, Marketing, Communications, and Admissions (2005), B.S., M.S. (Texas A&M University)

HARTMAN, JOEL L., Vice Provost and Chief Information Officer, Information Technologies and Resources (1995), B.S., M.S., Ed.D. (University of Central Florida)

HARTZLIER, CHRISTI A., Executive Director, Housing and Residence Life (1982), B.A., M.Ed. (University of Miami)

HEILMS, TERRENCE K., Associate Vice President, University Marketing (2005), B.S., M.B.A. (Rollins College)

HENRY, KIRK, Director I.T. Services, UCF Regional Campuses (2010)

HESTON, GRANT J., Associate Vice President, Communications and Public Affairs (2007), B.S. (University of Florida)

HILL, HELEN, Director of Advising, UCF Regional Campuses (2010)

HITT, JOHN C., President of the University, Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)

HOLMES, STEPHEN, Interim Assistant Vice President, Academic Initiatives - UCF Regional Campuses (1997), B.S., M.A., Ph.D. (University of Cincinnati)

HOLMES JR., ROBERT J., Vice President for Alumni Relations and Development and Chief Executive Officer, UCF Foundation. (1998), B.A., M.A. (University of Maine)

HOLSENBECK, DANIEL C., Vice President for University Relations, Senior Counsel to the President, and Director, Governmental Relations (1985), B.S., M.E.D., Ph.D. (Florida State University)

HOPE, THOMAS L., Creative Director, University Marketing (2005), M.F.A., M.B.A. (University of Central Florida)

HOWSE, MARK, Coordinator of Accreditation and Program Approval (2010), B.S., M.S., Ph.D. (Florida State University)

HOWSE, PEGGY, Director, Business Services (2005), B.A., M.A. (Florida International University)

JACKSON, JOHN, Interim Director, Environmental Health and Safety (2005), B.S. (Auburn University)

JACKSON, WAYNE, Director, Multicultural Academic and Support Services (2007), B.A., M.A. (Dallas Theological Seminary)

JAFFE, LARRY, Director, Technologies and Facilities (2003), B.S., M.B.A., M.S., Ed.S (Rutgers University)

JARRELL-COLE, MARGARET, Associate Vice President, Administration and Legal Counsel, UCF Foundation (2003), L.L.M., J.D. (University of Florida)

JEFFERSON, ALLISON, Executive Director of Administration (1999), B.S., M.S. (Northwestern University)

JONES, TRACY R., Assistant Dean, Graduate Admissions, Student Services, and Recruiting, College of Graduate Studies (1995), B.A., M.A. (University of Wisconsin-Madison)

JUNGENEN, DAN, Director, Office of Student Rights and Responsibilities (2003), B.A., M.Ed. (James Madison University)

KERNEK, LEE, Associate Vice President, Facilities and Safety (2007), B.M., M.P.A. (Harvard University)


KITTINGER JR., FRED R., Associate Vice President, University Relations (2003), B.A., M.S. (Florida State University)

LANCAY, PATRICE, Director, Operational Excellence and Assessment Support (2001), B.A., M.A. (Wayne State University)
LANEY, DAVID, Associate Vice President, Business Affairs and Operations, UCF Regional Campuses (2008).
LARKIN, ROBERT, Director, Admissions, College of Medicine (2007), B.A. (University of South Florida)
LARTONOIX, PAUL F., Assistant Dean of Space, Inventory, and Arts Liaison B.A., M.F.A. (Lindenwood University)
LEINSING, DONNA, Executive Director/UCF Academy (1993), B.A.Ed., M.Ed. (University of Central Florida)
LYONS-OTEN, TERESA, Registrar, College of Medicine (2007), B.S. (Tennessee State University)
MACKEY, BERNARD A., Director, Office of Pre-Professional Advising (2009), B.F.A., M.A., Ph.D. (University of Florida)
MacKOWN, PATRICIA A., Associate Vice President, Student Development and Enrollment Services (1979), B.A., M.A. (University of Central Florida)
MASON, GREGORY S., Director, Fraternity & Sorority Housing and Development (1990), B.A., M.S. (Indiana University)
MASSEY, KIMY, Director, Academic Services for Student Athletes (2011), B.A., M.S. (Michigan State University)
McCLOUD, REBEKAH, Director, Student Development and Enrollment Services Trio Center (1997), B.A., M.Ed., M.S., Ed.D.
MCKINNEY, MARY, Executive Director, Student Financial Assistance (1971), B.S., M.P.A. (University of Central Florida)
MEALOR, DAVID, Associate Vice President and Director, UCF Heathrow and UCF Sanford/Lake Mary (1980), B.S., Ph.D. (University of Georgia)
MERCK II, WILLIAM F., Vice President for Administration and Finance and CFO (1996), B.B.A., M.B.A. (Georgia State University)
MESSINA, THOMAS, Associate Vice President for Alumni Relations and Executive Director, UCF Alumni Association (1992), B.S., M.B.A. (Embry Riddle Aeronautical University)
MODIANOS, DOAN T., Associate Vice President, Strategic Planning (2008), Ph.D. (Texas Christian University)
MONROE, JUDITH E., Associate Vice President, University Support (1978), B.S., M.A. (University of Central Florida)
MOORE, RHONDA, Director, Creative School for Children (2001), B.A., M.Ed. (Virginia Commonwealth University)
MORGAN, JEFFERY, Director, Emergency Management (2008), B.S., M.A. (American Military University)
NEIGHBOR, J. EDWARD, Vice Provost, Space Planning, Analysis, and Administration (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
NORBURN, CHARLES, SDES Director/IT Manager (2007), A.S., B.S., M.B.A. (University of Central Florida)
NORVELL, DAVID, Executive Director of Facilities and Director, Sustainability and Energy Management (2003), B.S. (University of Central Florida)
O'NEAL, THOMAS P., Associate Vice President, Research & Commercialization, and Director, UCF Technology Incubator and Secondary Joint Associate Professor of Industrial Engineering & Management Systems (1991), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida)
OCONNELL, STEPHEN, Director, First Year Advising and Exploration (2003), B.A., M.A. (Ohio State University)
OHARA, BARBARA, Director, Health Sciences Campus Operations, College of Medicine (2006), M.P.A. (Rollins College)
OML, STEVE, Director, Finance and Accounting, College of Medicine (2008), M.B.A. (University of North Carolina)
ORO, GLENN, Assistant Vice President, Community Relations (1999), B.A. (University of Central Florida)
PATES, PATRICIA, Director, Research, Grants, and Evaluation (1991), B.A., M.A., Ed.S. (University of Louisville)
PAVLONIS, DAVID L., Assistant Vice President and Director, SDSOE-Office of Budget & Personnel (1998), B.S., M.S. (University of Tennessee)
PAYNE, RICHARD S., Assistant Vice President, SMCA Operations (2002), B.S., M.B.A. (University of Central Florida)
PEARSON, STACEY M., Executive Director, Counseling Center (2008), B.A., M.A., Ph.D. (Pennsylvania State University)
PEPLER, RICHARD D., Associate Dean, Faculty and Academic Affairs, College of Medicine (2007), B.A., Ph.D. (University of Kansas)
PETERSON, ANGELA, Associate Vice President, Regional Campuses, Enrollment Services, Marketing and Outreach (2005), B.S., M.S. Ed. (Pittsburgh State University)
PETKOV, ANA, Director, Constituent Relations (2008), B.A.
PIETY, REBECCA, Director, Student Academic Resource Center and University Testing Center (1998), B.A., M.A. (University of Central Florida)
PITTMAN, JOHN, Assistant Vice President for Debt Management (2000), B.S., M.S. (University of Central Florida)
POOLE, MAX C., Senior Associate Dean, College of Graduate Studies, and Associate Professor of Health Sciences (2005), B.S., Ph.D. (Medical College of Georgia)
PRESTON, MICHAEL, Director, Office of Student Involvement (2011), B.A., M.S. (Southern Illinois University - Carbondale)
PRIEST, DeLAINE, Associate Vice President, Student Development and Enrollment Services (1994), B.A., M.A. (University of Alabama-Birmingham)
RANGE, A. J., Assistant Vice President, Regional Campus Student Services (1994), B.S., M.Ed. (Florida A&M University)
REA, PAMELA, Director, Student Disability Services (2004), B.A., M.Ed. (National-Louis University)
REDICK, ALZO J., Director, Special Programs and Defense Transition Services (1990), B.S., M.E., Ed.D. (Nova University)
REED, HAL C., Assistant Vice President for Planned Giving (2000), B.A., J.D. (University of Kansas)
RIVERS, CECELIA H., Assistant Vice President, UCF Leesburg, UCF Ocala, and UCF South Lake, UCF Regional Campuses (1981), B.A., M.A., Ed.D. (University of Central Florida)
ROBERTS, MARK A., Assistant Vice President for Human Resources and Chief HR Officer (1986), B.A., M.A. (Central Michigan University)
ROBINSON, GREGORY, Director, Purchasing (1998), B.S., M.P.A (University of Central Florida)
SAWYER, CURTIS, Assistant Vice President for Business Services (2007), B.S. (United States Military Academy)
SCHELL, JOHN F., Vice President and Chief of Staff, Office of the President, and Professor of English (1987), B.A., M.A., Ph.D. (Vanderbilt University)
SCHNEIDER, KIMBERLY, Director, Undergraduate Research (2007), B.S., Ph.D. (University of South Carolina)
SCHONS, EDWARD L., Director, University Economic Development, University Relations (2000), B.S. (Florida Southern College)
SCHUCKMAN, GREGORY A., Assistant Vice President, Director, Federal Relations, University Relations (2000), B.S., M.G.A. (University of Pennsylvania)
SELM, BASMA, Director, Analysis, Planning and Accreditation, College of Medicine (2005), Ph.D. (University of Central Florida)
SHIVER, LAUREN A., Assistant Vice President for Advancement Services (2002), A.A., B.B.A., M.B.A. (Valdosta State University)
SIMAAN, MARWAN, Dean College of Engineering and Computer Science (2008), Ph.D. (University of Illinois at Urbana-Champaign), P.E
SINGH, KRISHNA, Director, Parking and Transportation Services (2009), B.A. (University of Central Florida)
SMITH, SORAYA, Director, Student Affairs, College of Medicine (2009), M.B.A. (University of Central Florida)
SNOW, ROBERT, Director, Sophomore and Second Year Center (1997), B.S. M.S. (Shippensburg University Pennsylvania)
SOILEAU, MARION J., Vice President, Research & Commercialization and Professor of Optics & ECECS (1987), B.S., M.S., Ph.D. (University of Southern California) STANSBURY, TODD, Vice President and Director of Athletics (2012), B.S., M.S. (Georgia State University)
STEBBINS, CONSUELO, Assistant Vice President for Internationalization (1987), B.A., M.A., Ph.D. (The Florida State University)
STERN, MICHAEL J., Associate Dean, College of Graduate Studies, Professor of Biology (2007), B.S., Ph.D. (University of California at Berkeley)
STINARD, CHARLENE, Director, Transfer & Transition Services (1990), B.A., M.A. (Columbia University)
SWEENEY, MICHAEL J., Coordinator of Special Programs, and Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)
SWEET, HAVEN C., Associate Dean, College of Sciences, and Professor Emeritus of Biology (1971), B.S., Ph.D. (Syracuse University)
THOMAS, CARLEE, Director, Development, Sumter School, College of Medicine (2008), M.A. (University of Central Florida)
TOMEI, LANCE, Director of Assessment, Accreditation, and Data Management (2001), B.B.A., MBA, MSST, Ed.D. (University of Central Florida)
TRES, DIANE, Associate Vice President, Community Relations and Metropolitan Center for Regional Studies (1994), B.S., B.S.N., M.S. (University of Central Florida)
TRIVEDI, SHREYA, University Ombuds Officer (2011)
TRUMAN, BARBARA, Director, Course Development and Web Services (1996), B.A., M.A. (University of Central Florida)

UCF Administrative Officers and Staff

UNIVERSITY OF CENTRAL FLORIDA
535 Undergraduate Catalog 2012-2013
<table>
<thead>
<tr>
<th>Date</th>
<th>Degree Type</th>
<th>Name</th>
<th>Date</th>
<th>Degree Type</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 1973</td>
<td>Louis C. Murray, Doctor of Public Service</td>
<td></td>
<td>April 1996</td>
<td>Nicolaas Bloembergen, Doctor of Science</td>
<td></td>
</tr>
<tr>
<td>August 1978</td>
<td>Richard F. Livingston, Doctor of Business Administration</td>
<td></td>
<td>May 1997</td>
<td>Maxwell C. King, Doctor of Public Service</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ferdinand Duda, Doctor of Agricultural Service</td>
<td>John Duda, Doctor of Agricultural Service</td>
<td></td>
<td>James Bacchus, Doctor of Public Services</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
<td></td>
<td>December 2009</td>
<td>Jerry S. Roth, Doctor of Commercial Science</td>
<td></td>
</tr>
<tr>
<td>May 1989</td>
<td>Frank M. Hubbard, Doctor of Public Service</td>
<td>David Albertson, Doctor of Humane Letters</td>
<td></td>
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<tr>
<td></td>
<td>Charles N. Millican, Doctor of Laws</td>
<td></td>
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<tr>
<td>May 1990</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
<td>Thaddeus Seymour, Doctor of Letters</td>
<td></td>
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</tr>
<tr>
<td>May 1991</td>
<td>Roald Hoffman, Doctor of Science</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>May 1993</td>
<td>Buell G. Duncan, Jr., Doctor of Commercial Science</td>
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</tr>
</tbody>
</table>
A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. 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.

BSSS: Burnett School of Biomedical Sciences.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration.

CECS: College of Engineering and Computer Science.

CED: College of Education.

Certificate: special program of study supplemental to a major.

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 twelve colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education (CED), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), and Rosen College of Hospitality Management (RCHM).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office. Directory information at UCF includes the student’s name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes’ height and weight.

Disqualified: a student on academic probation is disqualified upon failure to achieve a minimum 2.0 UCF GPA during the subsequent term. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student’s permanent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/ minor.

Email: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges/advising offices.

Enrollment Certification: an official University document that provides a student’s enrollment history including status, dates enrolled, and degrees awarded, available online at https://my.ucf.edu in Student Self Service.

Equipment Fee: a charge associated with some majors to cover the use and replacement of equipment.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for “First Time In College,” referring to those students who currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the fall and spring and summer terms.

FYAE: First Year Advising and Exploration.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student’s life.

Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of “C-” (1.75) or better.

GPA: “Grade Point Average”: the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.

Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).
Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student's grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a "negative service indicator", this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as "limited access" only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: a charge associated with some courses to cover items consumed within the class.

MEP: Major Exploration Program to assist students who are undecided about a major.

Minor: a complement to a bachelor's degree program/ major requiring at least 18 credit hours in a field.

myUCF: the UCF/student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, PID (Personal Identification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights Email account, telephone number, and permanent/mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and Drop/Swap, print the "Degree Audit," obtain the registration appointment day and time for each term, print a "Fee Invoice," pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs.

Nursing: College of Nursing.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal Identification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student's status upon acceptance into the program.)

PID: (Personal IDe ntification Number): personal eight-digit code required when entering myUCF or the UCF Information Kiosks.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student's UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar's Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges' advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students' continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the "Student Financial Assistance" section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: There may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & Second Year Center

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All eleven Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called "terms" (also called "semesters"). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them "quarters." UCF is on the semester system; however, we usually speak of "Fall Term," "Spring Term," or "Summer Sessions."

Term GPA: grade point average (GPA) on work attempted during any given term.

Third Attempt Charge: see "Repeat Surcharge."

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar's Office.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

VARC: Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student disabilities services, counseling services, and various other programs and services for student veterans.

Web Enrollment Guide: online at http://registrar.ucf.edu/weg/. Provides the "Academic Calendar," guides to registering online, Class Schedule Search and the Fee Invoice, and contains the policies that govern course registration. Each term's class listings are available only online through myUCF Class Schedule Search at https://my.ucf.edu.

Withdrawal, Withdraw from a Course: to formally request an official departure from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar's Office. Students are still responsible for tuition and fees for withdrawn courses.
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